

HISTORY INFORMATION FOR THE FOLLOWING MANUAL:

SERVICE MANUAL

WAX2 CHASSIS

<u>MODEL NAME</u>	<u>REMOTE COMMANDER</u>	<u>DESTINATION</u>
KDL-23S2010	RM-YD005	CANADA
KDL-23S2010	RM-YD005	US
KDL-26S2010	RM-YD005	CANADA
KDL-26S2010	RM-YD005	US
KDL-32S2010	RM-YD005	CANADA
KDL-32S2010	RM-YD005	US
KDL-40S2010	RM-YD005	CANADA
KDL-40S2010	RM-YD005	US
KDL-46S2010	RM-YD005	CANADA
KDL-46S2010	RM-YD005	US

ORIGINAL MANUAL ISSUE DATE: 7/2006

 :UPDATED ITEM

REVISION DATE	SUBJECT
7/2006	No revisions or updates are applicable at this time.
1/2007	Updated TOC to include Appendix A. Replaced Pg 3. Added Encryption Key notes. Replaced Pgs 21, 27-34, 55-58, 59, & 66. Identified Encryption Key boards. Replaced Pg 56 & 66. Added new PN's LCD panels for 26" and 32" models (new Serial Number ranges) and PNs for Inverter Boards. Replaced Pg. 58. Added Support Belt description to Lock Assy, Rudder. Replaced Pg. 82. Added APPENDIX A: ENCRYPTION KEY COMPONENTS to service manual. Added Pg A-1.

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KDL-32S2010	RM-YD005	CANADA
KDL-32S2010	RM-YD005	US
KDL-40S2010	RM-YD005	CANADA
KDL-40S2010	RM-YD005	US
KDL-46S2010	RM-YD005	CANADA
KDL-46S2010	RM-YD005	US



KDL-26S2010



RM-YD005

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	KDL-23S2010	KDL-26S2010	KDL-32S2010
Speaker Output (W)	5W + 5W	10W + 10W	
Dimensions (W x H x D) with stand			
mm	566 x 447 x 209 mm	658 x 516 x 219 mm	792 x 593 x 219 mm
in	22 ^{3/8} x 17 ^{5/8} x 8 ^{1/4} in	26 x 20 ^{3/8} x 8 ^{5/8} in	31 ^{1/4} x 21 ^{3/8} x 8 ^{5/8} in
Dimensions (W x H x D) without stand			
mm	566 x 410 x 90 mm	658 x 470 x 94 mm	792 x 546 x 99 mm
in	22 ^{3/8} x 16 ^{1/8} x 3 ^{1/2} in	26 x 18 ^{5/8} x 3 ^{3/4} in	31 ^{1/4} x 21 ^{1/2} x 4 in
Mass with stand			
kg	10.2 kg	13 kg	17 kg
lbs	22 lbs 5 oz	28 lbs 10 oz	37 lbs 7 oz
without stand			
kg	7.4 kg	11 kg	15 kg
lbs	16 lbs 4 oz	24 lbs 4 oz	33 lbs

	KDL-40S2010	KDL-46S2010
Speaker Output (W)	10W + 10W	
Dimensions (W x H x D) with stand		
mm	988 x 716 x 334 mm	1,120 x 805 x 334 mm
in	39 x 28 ^{1/4} x 13 ^{1/4} in	44 x 31 ^{2/5} x 13 ^{1/8} in
Dimensions (W x H x D) without stand		
mm	988 x 664 x 103 mm	1,120 x 755 x 116 mm
in	39 x 26 ^{1/4} x 4 ^{1/8} in	44 x 29 ^{2/5} x 4 ^{1/4} in
Mass with stand		
kg	27 kg	34 kg
lbs	59 lbs 8 oz	74 lbs 9 oz
without stand		
kg	21 kg	28 kg
lbs	46 lbs 3 oz	61 lbs 7 oz

Television system

American TV Standard

Channel coverage

VHF: 2-13/UHF: 14-69/ Cable TV: 1-125

Antenna

75-ohm external terminal for VHF/UHF

Panel System

LCD (Liquid Crystal Display) Panel

Display Resolution (horizontal x vertical):

1,366 dots x 768 lines

Screen Size (measured diagonally)

26 inches (KDL-26S2010 Only)

32 inches (KDL-32S2010 Only)

40 inches (KDL-40S2010 Only)

Supplied Accessories

Remote Commander RM-YD005

Two Size AA (R6) Batteries

75-ohm coaxial cable

AC Power Cord

HD15-HD15 Cable

Support Belt, Securing Screw, and Wood Screw

Cable Holder

Operating Instructions

Quick Setup Guide

Warranty Card

Optional Accessories

Headphones Plug Adaptor

Connecting Cables

Wall-Mount Bracket

SU-WL31 (KDL-23S2010//26S2010/32S2010 Only)

SU-WL51 (KDL-40S2010/46S2010 Only)

WARNINGS AND CAUTIONS

CAUTION

These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

WARNING!!

An isolation transformer should be used during any service to avoid possible shock hazard, because of live chassis. The chassis of this receiver is directly connected to the ac power line.

SAFETY-RELATED COMPONENT WARNING!!

Components identified by shading and  mark on the schematic diagrams, exploded views, and in the parts list are critical for safe operation. Replace these components with Sony parts whose part numbers appear as shown in this manual or in supplements published by Sony. Circuit adjustments that are critical for safe operation are identified in this manual. Follow these procedures whenever critical components are replaced or improper operation is suspected.

ATTENTION!!

Ces instructions de service sont à l'usage du personnel de service qualifié seulement. Pour prévenir le risque de choc électrique, ne pas faire l'entretien autre que celui contenu dans le Mode d'emploi à moins que vous soyez qualifié faire ainsi.

Afin d'éviter tout risque d'électrocution provenant d'un châssis sous tension, un transformateur d'isolement doit être utilisé lors de tout dépannage. Le châssis de ce récepteur est directement raccordé à l'alimentation du secteur.

ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

Les composants identifiés par une trame et par une marque  sur les schémas de principe, les vues explosées et les listes de pièces sont d'une importance critique pour la sécurité du fonctionnement. Ne les remplacer que par des composants Sony dont le numéro de pièce est indiqué dans le présent manuel ou dans des suppléments publiés par Sony. Les réglages de circuit dont l'importance est critique pour la sécurité du fonctionnement sont identifiés dans le présent manuel. Suivre ces procédures lors de chaque remplacement de composants critiques, ou lorsqu'un mauvais fonctionnement suspecte.

SAFETY-RELATED COMPONENT WARNING

There are critical components used in LCD color TVs that are important for safety. These components are identified with shading and $\triangle$ mark on the schematic diagrams and the electrical parts list. It is essential that these critical parts be replaced only with the part number specified in the electrical parts list to prevent electric shock, fire, or other hazard.

NOTE: Do not modify the original design without obtaining written permission from the manufacturer or you will void the original parts and labor guarantee.

USE CAUTION WHEN HANDLING THE LCD PANEL

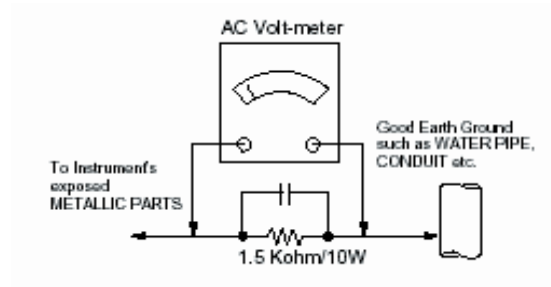
When repairing the LCD panel, be sure you are grounded by using a wrist band.

When installing the LCD panel on a wall, the LCD panel must be secured using the 4 mounting holes on the rear cover.

To avoid damaging the LCD panel:

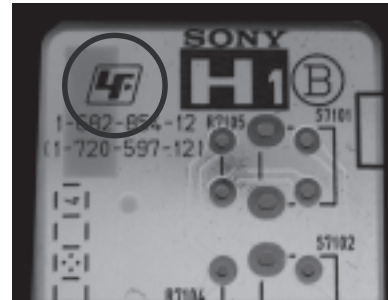
- do not press on the panel or frame edge to avoid the risk of electric shock.
- do not scratch or press on the panel with any sharp objects.
- do not leave the module in high temperatures or in areas of high humidity for an extended period of time.
- do not expose the LCD panel to direct sunlight.
- avoid contact with water. It may cause a short circuit within the module.
- disconnect the AC adapter when replacing the backlight (CCFL) or inverter circuit.
(High voltage occurs at the inverter circuit at 650Vrms.)
- always clean the LCD panel with a soft cloth material.
- use care when handling the wires or connectors of the inverter circuit. Damaging the wires may cause a short.
- protect the panel from ESD to avoid damaging the electronic circuit (C-MOS).

LEAKAGE CURRENT HOT CHECK CIRCUIT



example 1

The circuit boards used in these models have been processed using Lead Free Solder. The boards are identified by the LF logo located close to the board designation e.g. H1 etc [see example]. The servicing of these boards requires special precautions to be taken as outlined below.



It is strongly recommended to use Lead Free Solder material in order to guarantee optimal quality of new solder joints. Lead Free Solder is available under the following part numbers :

Part number	Diameter	Remarks
7-640-005-19	0.3mm	0.25Kg
7-640-005-20	0.4mm	0.50Kg
7-640-005-21	0.5mm	0.50Kg
7-640-005-22	0.6mm	0.25Kg
7-640-005-23	0.8mm	1.00Kg
7-640-005-24	1.0mm	1.00Kg
7-640-005-25	1.2mm	1.00Kg
7-640-005-26	1.6mm	1.00Kg

Due to the higher melting point of Lead Free Solder the soldering iron tip temperature needs to be set to 370 degrees centigrade. This requires soldering equipment capable of accurate temperature control coupled with a good heat recovery characteristics.

For more information on the use of Lead Free Solder, please refer to <http://www.sony-training.com>

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or touching high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instructions.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low voltage scale. The Simpson's 250 and Sanwa SH-63TRD are examples of passive VOMs that are suitable. Nearly all battery-operated digital multimeters that have a 2 VAC range are suitable (see Figure A).

How to Find a Good Earth Ground

A cold-water pipe is a guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms.

If a cold-water pipe is not accessible, connect a 60- to 100-watt trouble- light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side on the line; the lamp should light at normal brilliance if the screw is at ground potential (see Figure B).

Leakage Test

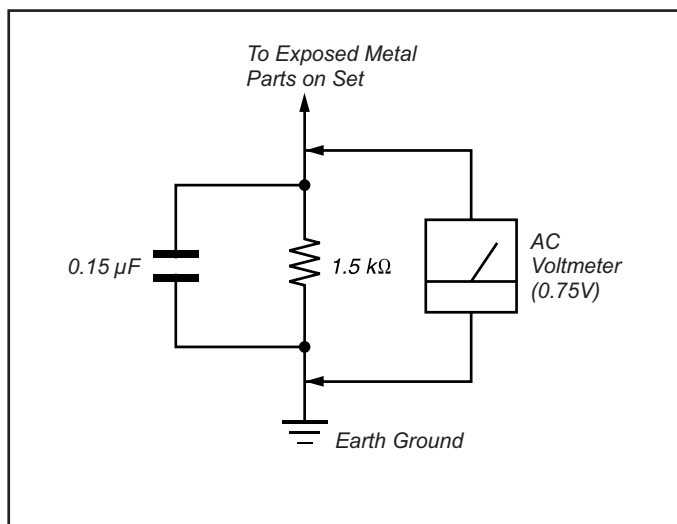


Figure A. Using an AC voltmeter to check AC leakage.

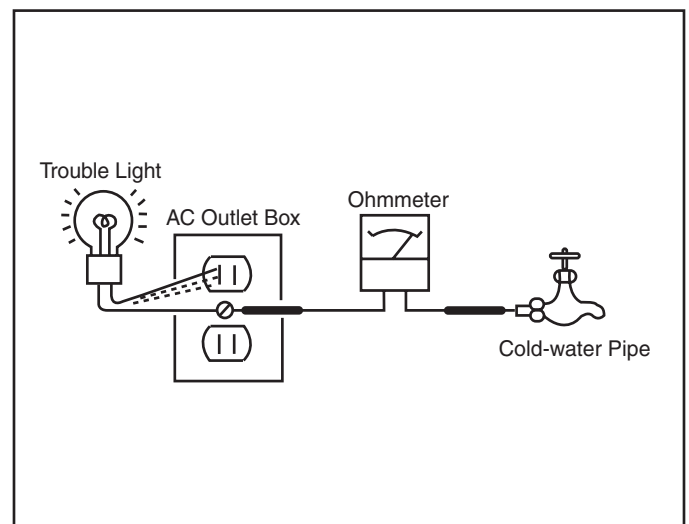
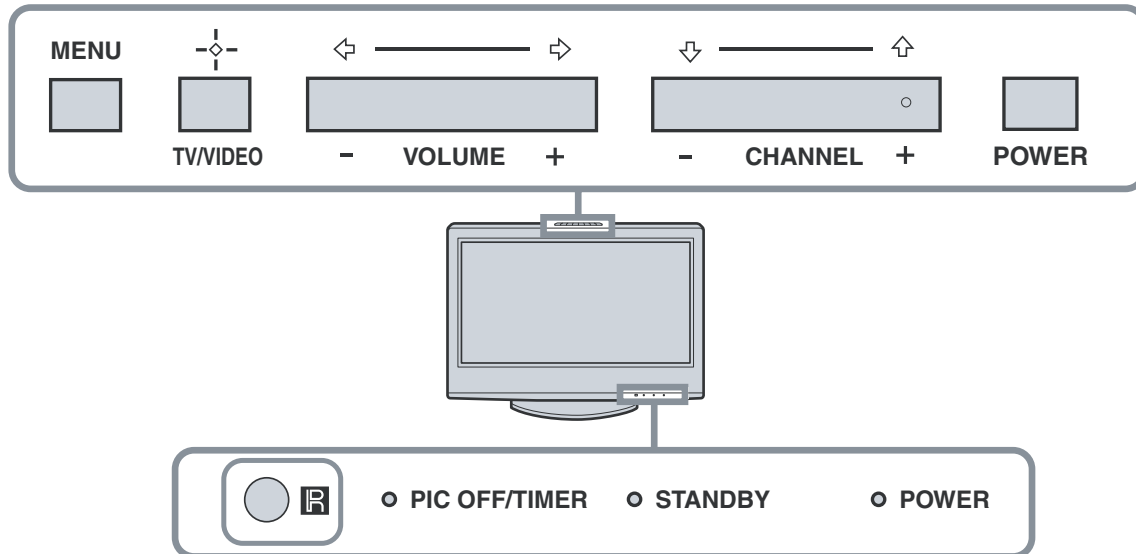


Figure B. Checking for earth ground.

SELF-DIAGNOSTIC FUNCTION

Self Diagnosis
Supported model

Control Buttons



Description of LED Indicators

LED	LED Type	Description
POWER LED	Red/Green LED	* Light is green when the TV set is on * Functions as failure indicator * Blinks green in aging mode
TIMER LED	Red LED	Lights when timer is set
PIC OFF LED	Green LED	Lights when power saving setting is set to picture off (See Instruction Manual)

LED Control

STATUS	POWER LED	TIMER LED/ PICTURE OFF LED	STANDBY LED	REMARKS
Power Off	Off	Off	Off	Power off using the power switch or remote control. NOTE: Standby state does not exist in this model; however, the microcomputer does enter into sleep mode.
Power Off	Lights Green	Off	Off	Microcomputer working normally.
Failure	Blinks Red	Off	Off	Failure causes are classified by the number of time the red light blinks.
Aging	Blinks Green	Off	Off	Aging mode is classified by a blinking green light.
Picture Off	Lights Green	Lights Green	Off	No display (black screen).
SLEEP TIMER	Lights Green	Lights Orange	Off	When SLEEP TIMER is set during power on.
	Lights Green	Lights Green	Off	When SLEEP TIMER is set in Picture Off mode.
ON TIMER	Off	Lights Orange	Off	When ON TIMER is set and power is off.
	Lights Green	Lights Orange	Off	When ON TIMER is set and power is on.
	Lights Green	Lights Green	Off	When ON TIMER is set in Picture Off mode.
PC STANDBY	Off	Off	Lights Red	
PC STANDBY/ TIMER ON	Off	Lights Orange	Lights Red	

The units in this manual contain a self-diagnostic function. If an error occurs, the POWER LED will automatically begin to flash. The number of times the LED flashes translates to a probable source of the problem. A definition of the POWER LED flash indicators is listed in the instruction manual for the user's knowledge and reference. If an error symptom is difficult to reproduced use the Remote Commander to display the record that is stored at the internal NVM to specify the cause of the failure.

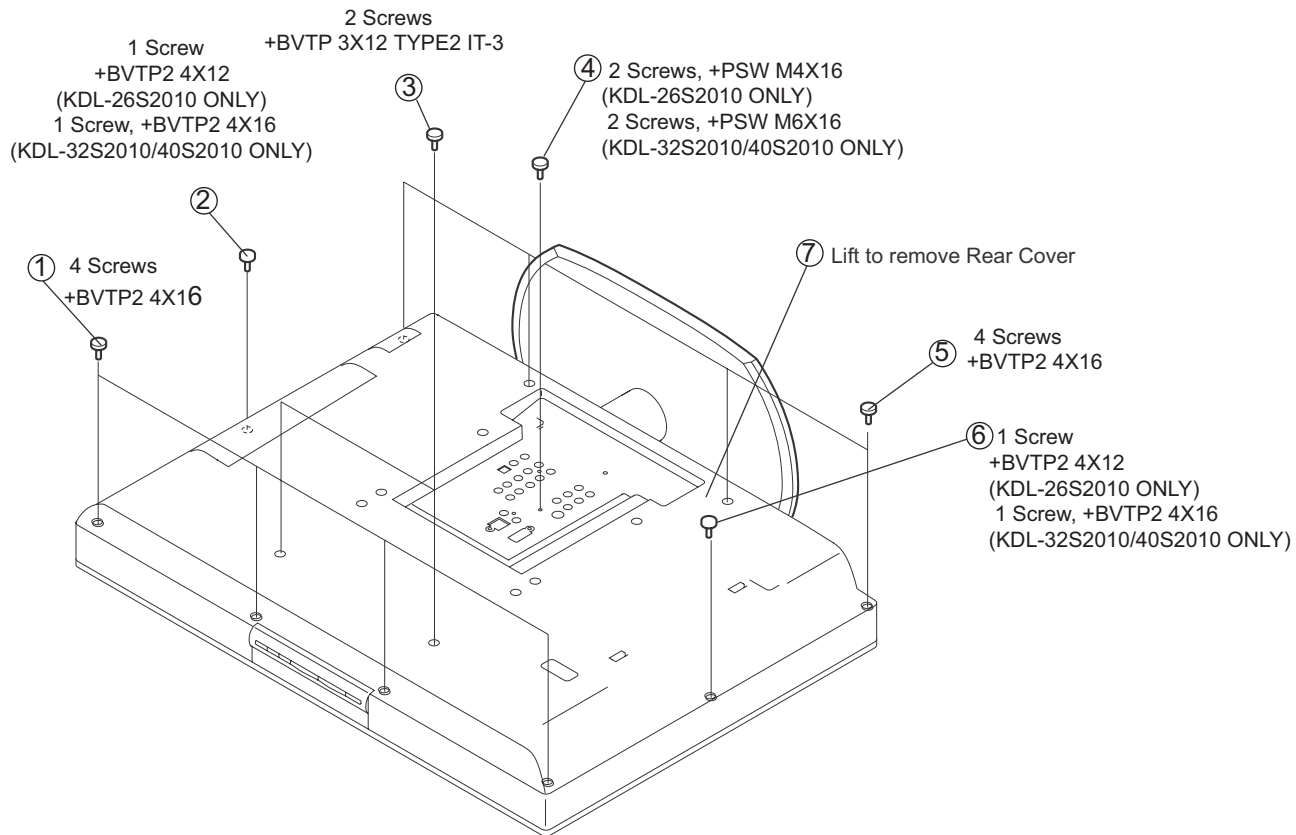
Diagnostic Test Indicators

When an error occurs, the POWER LED will flash a set number of times to indicate the possible cause of the problem. If there is more than one error, the LED will identify the first of the problem areas. If the errors occur simultaneously, the one that corresponds to the fewest flashes is identified first. Results for all of the following diagnostic items are displayed on screen. No error has occurred if the screen displays a "0".

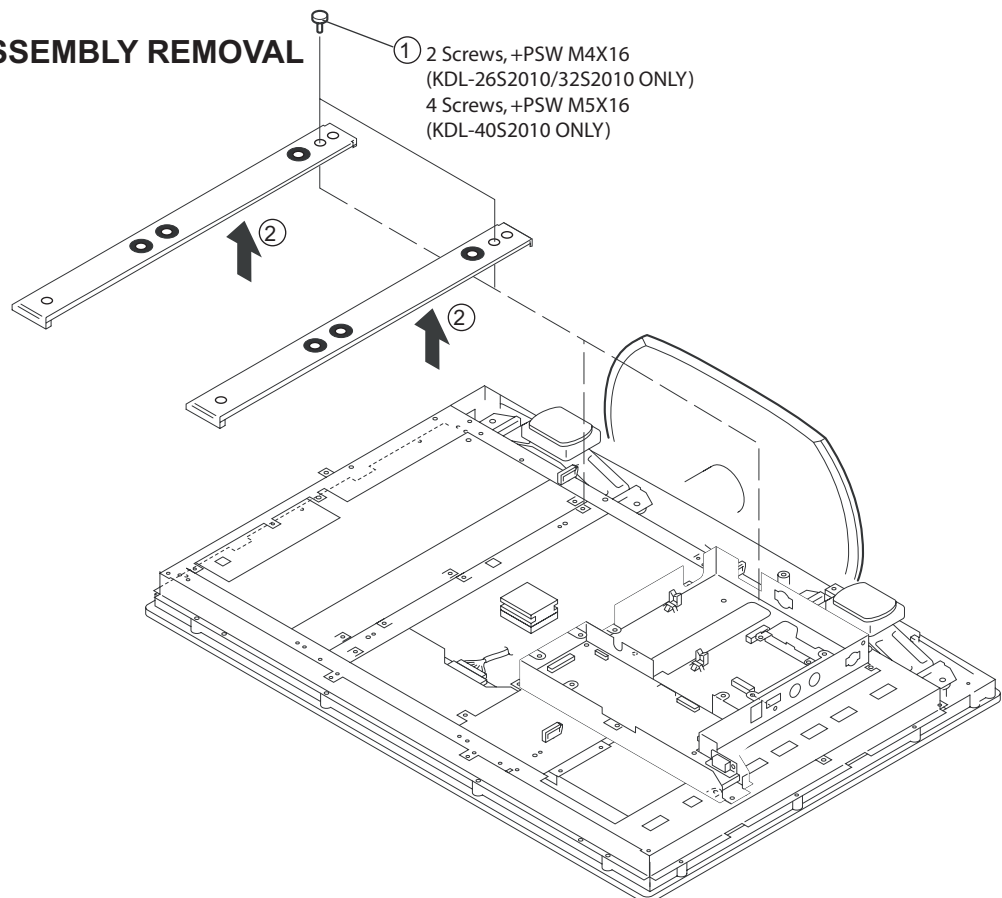
Number of Times POWER LED Blinks	Monitoring Item
1 Time	Abnormal AU Power Voltage (DCALERT 3)
2 Times	Abnormal D5V/A9V Power Voltage (DCALERT 2)
3 Times	Abnormal Panel Voltage (DCALERT 1)
4 Times	Backlight Failure
5 Times	Abnormal Main Power Voltage
6 Times	Abnormal Speaker Voltage
7 Times	Internal Temperature Rise (mainly on the panel side)
8 Times	IC5000

SECTION 1: DISASSEMBLY

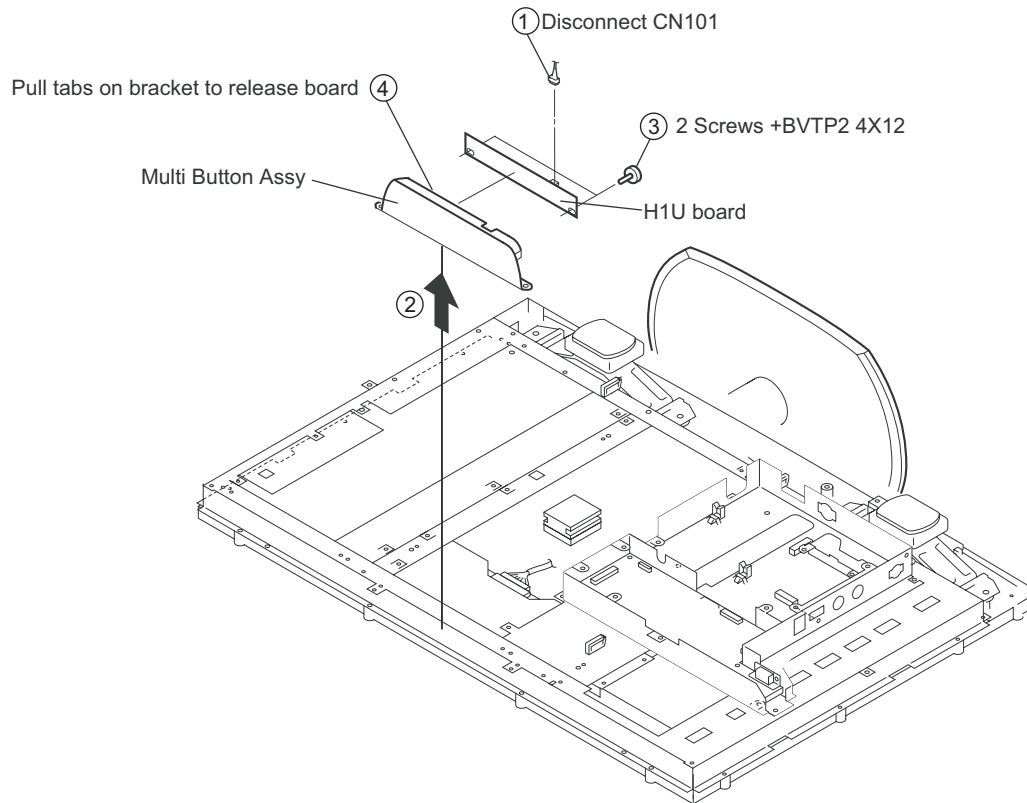
1-1. REAR COVER REMOVAL



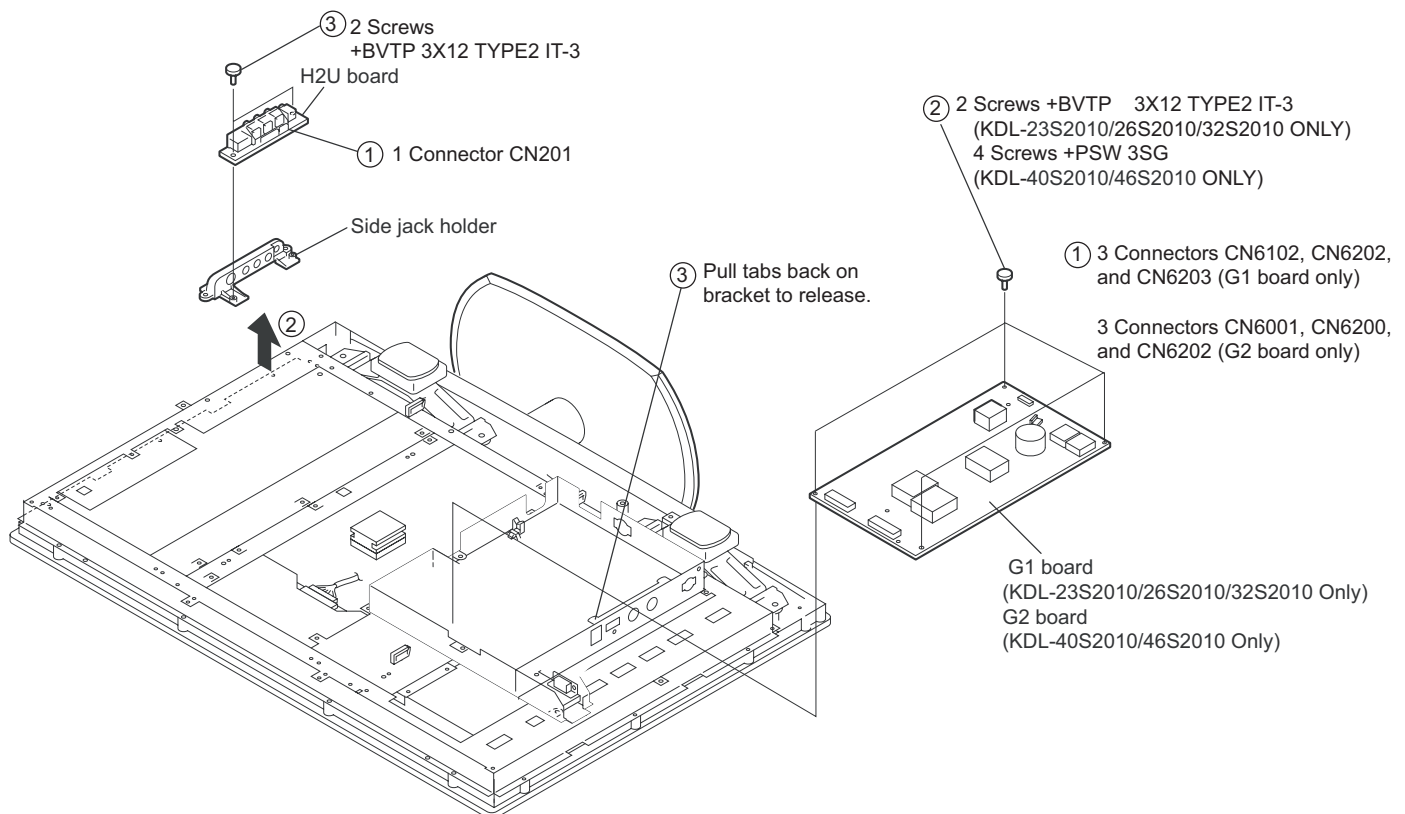
1-2. VESA BRACKET ASSEMBLY REMOVAL



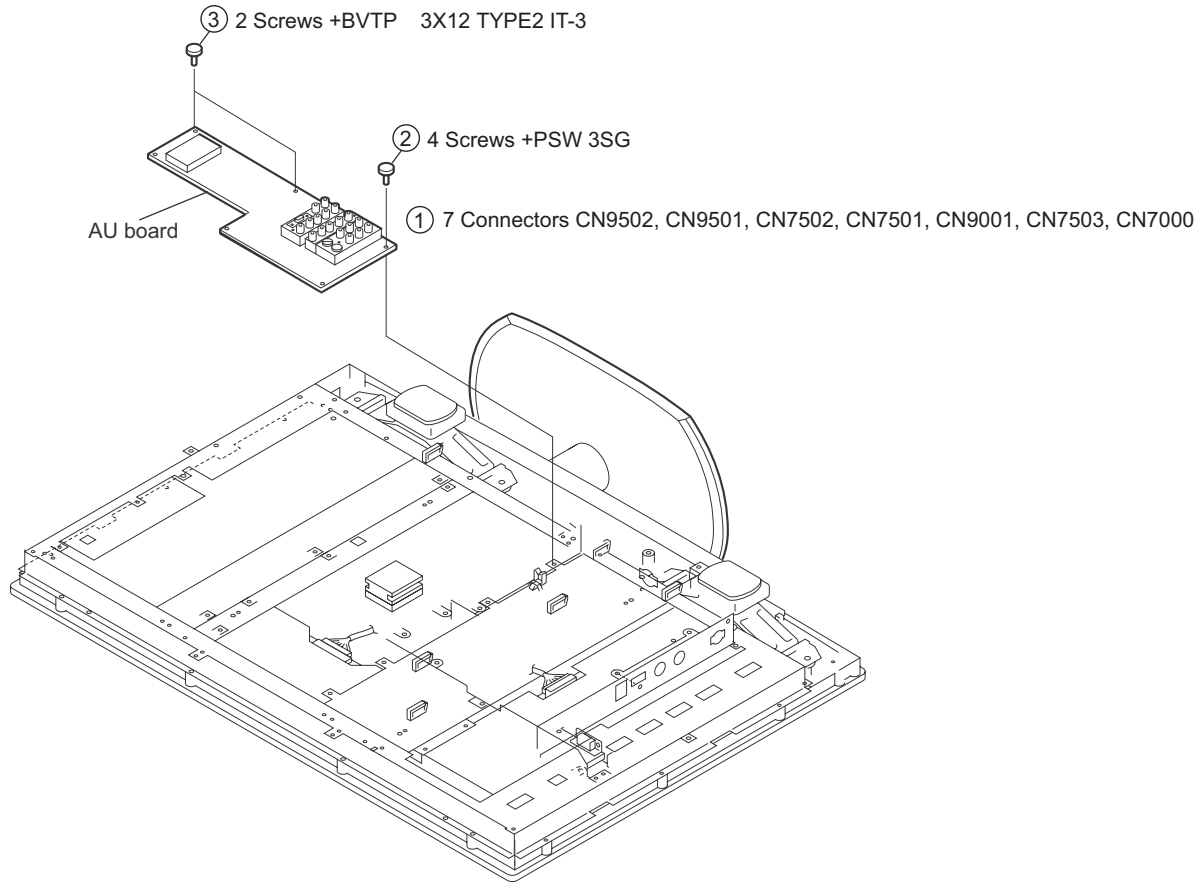
1-3. H1U BOARD REMOVAL



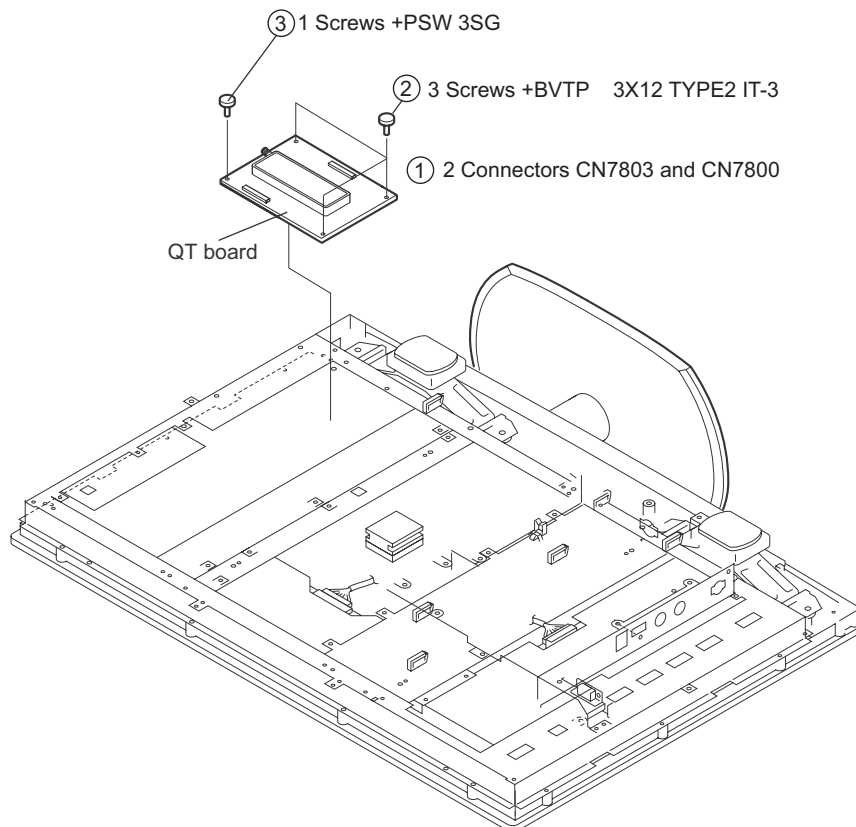
1-4. G1 BOARD (POWER SUPPLY) OR G2 BOARD AND H2U BOARD REMOVAL



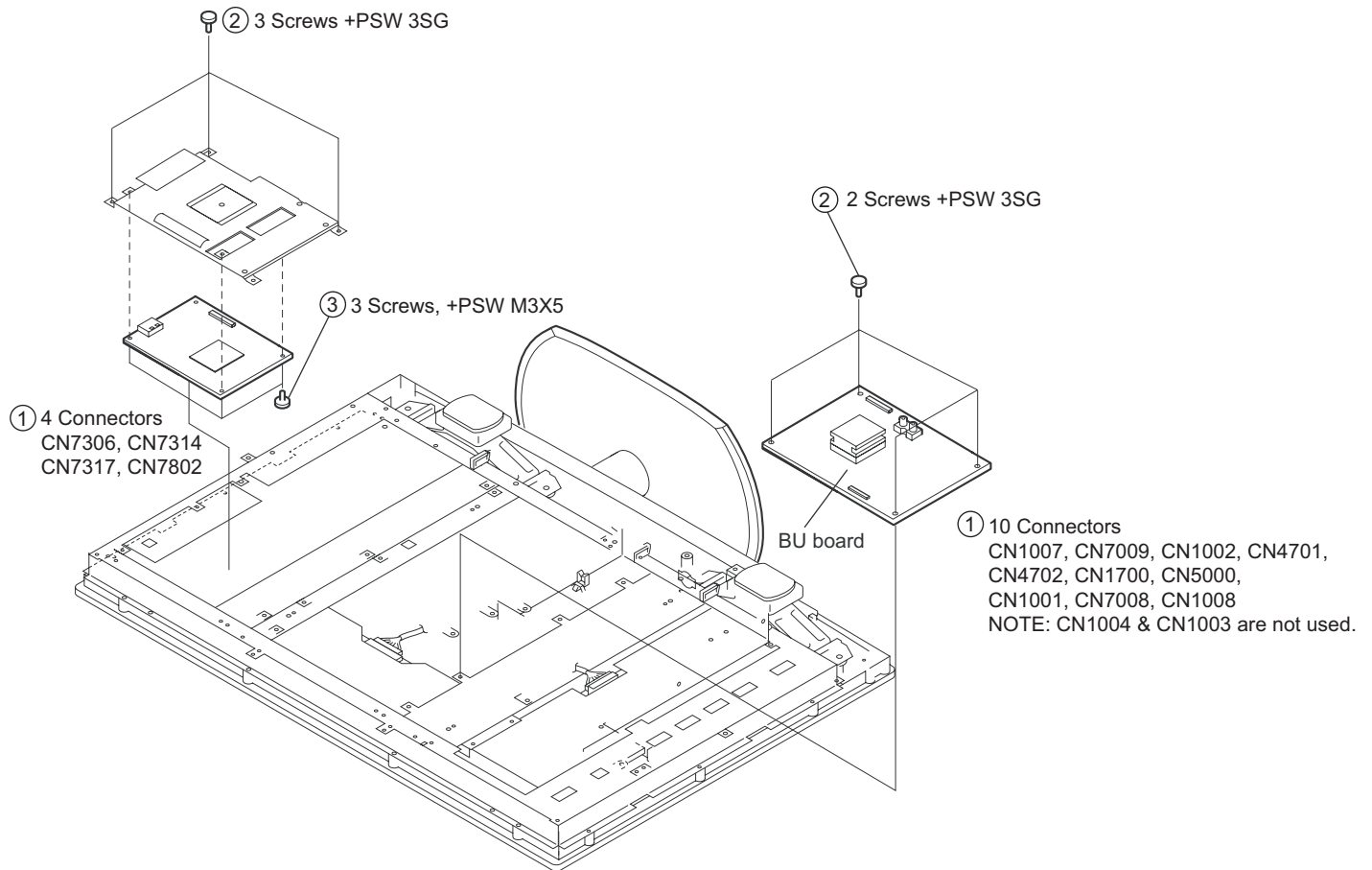
1-5. AU BOARD REMOVAL



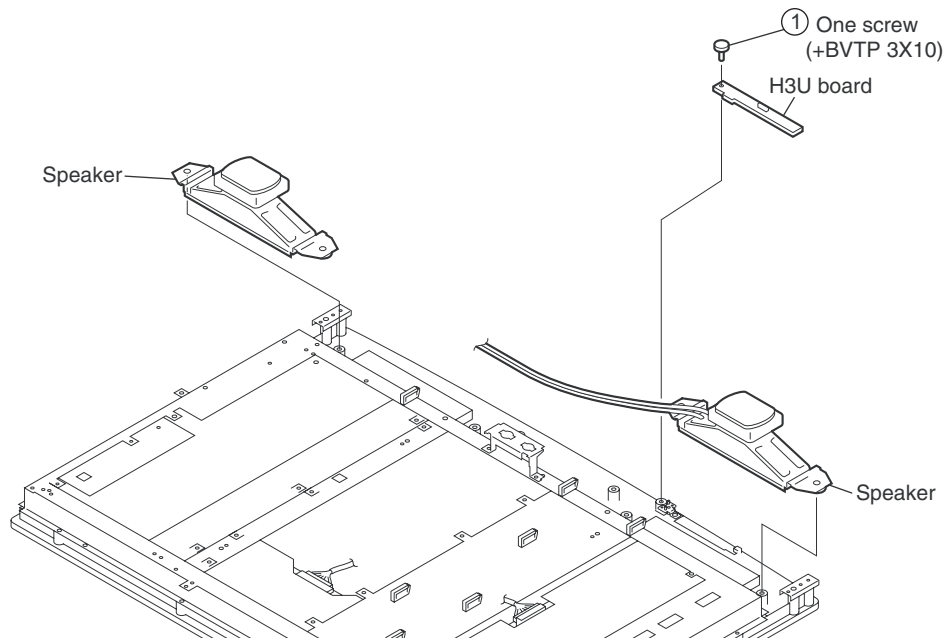
1-6. QT BOARD REMOVAL



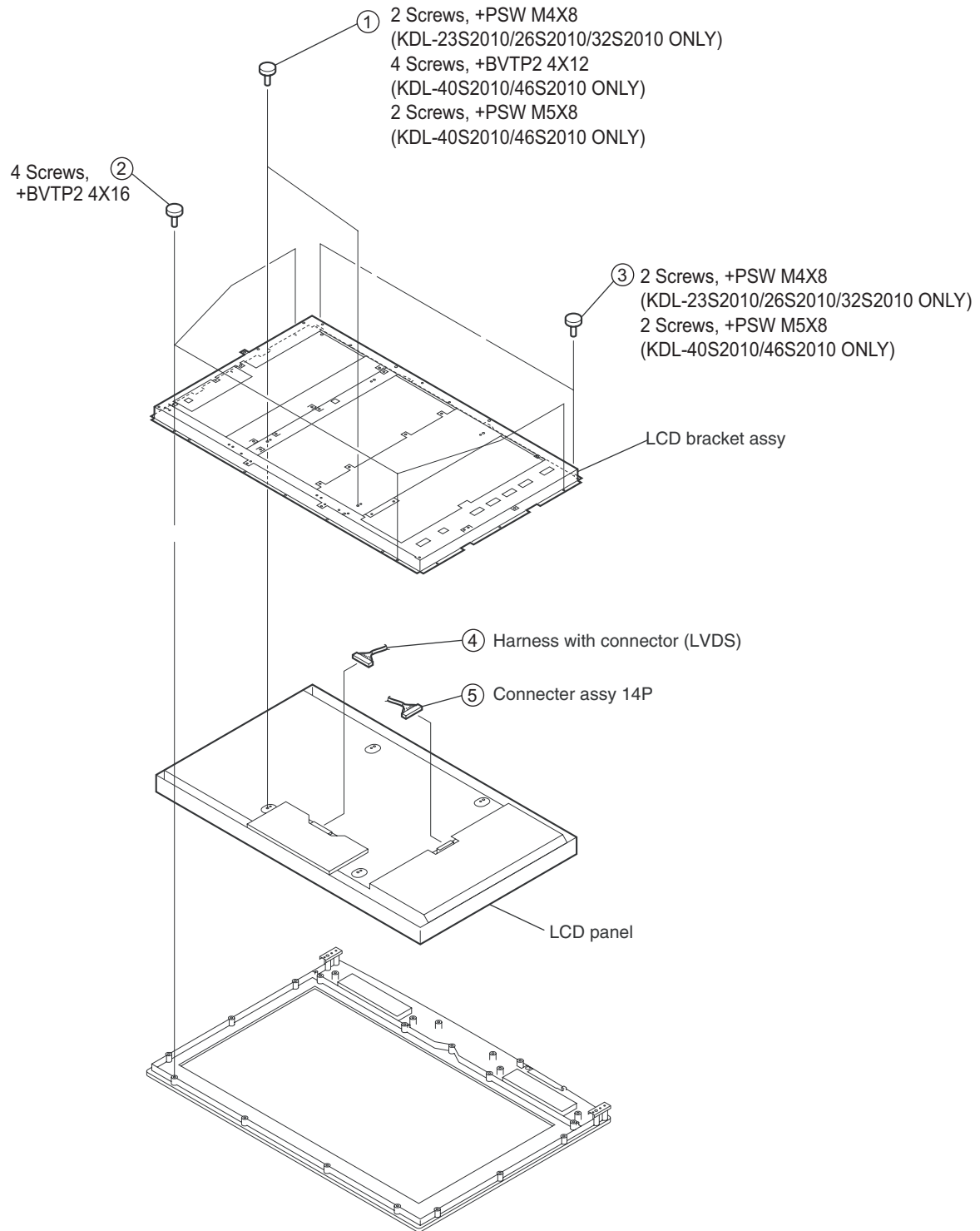
1-7. QS BOARD AND BU BOARD REMOVAL



1-8. H3U BOARD AND SPEAKER REMOVAL

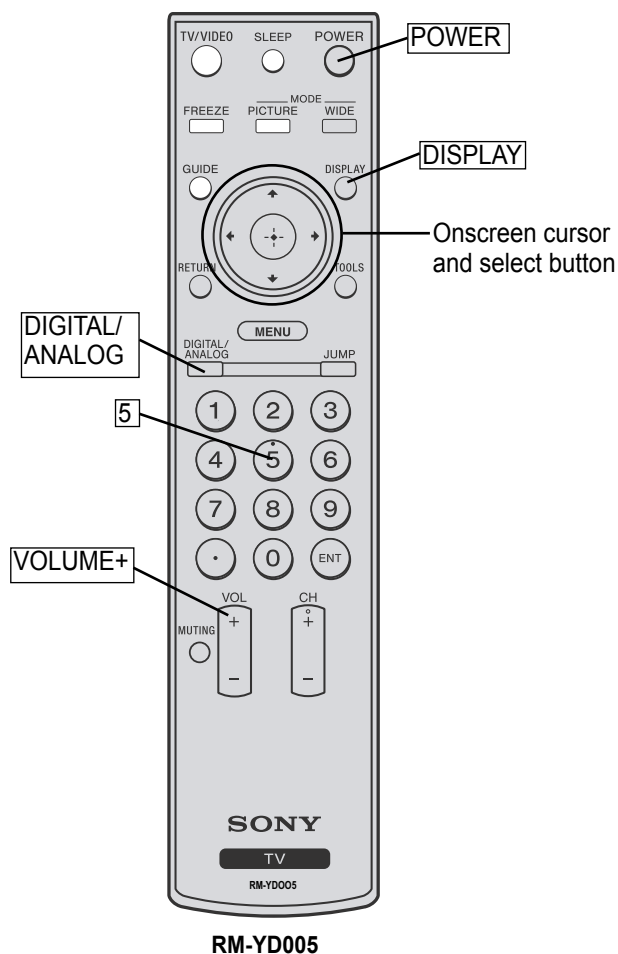


1-9. LCD PANEL REMOVAL



SECTION 2: SERVICE ADJUSTMENTS

2-1. REMOTE ADJUSTMENT BUTTONS AND INDICATORS



2-2. ACCESSING SERVICE ADJUSTMENTS

To adjust various set features, use the Remote Commander to put the set into service mode to display the service menus. The Remote Commander displays the service menu associated with the Digital or Analog format depending on which format is on the TV when you enter service mode.

2-2-1. ACCESSING THE DIGITAL SERVICE ADJUSTMENT MENUS

1. Turn the TV on and view a Digital channel.
2. Put the TV in standby mode. (Power off).
3. Press the following buttons on the Remote Commander within a second:
DISPLAY → Channel **5** → Volume **+** → **POWER** On.
 The Digital service menu displays.

Video 1	
MAIN VER.	1009
H PACK VER.	1008
S PACK VER.	1008
CHECK SUM	E20E
NVM VER.	1006
ATI VER.	01.06
ATI UD NVM VER.	02
ATI SD NVM VER.	02
ETI	46h 39m

4. Use the $\downarrow$ button to view the next category listing the white balance adjustment items.

Video 1	
R_DRIVE	256
B_DRIVE	256
R_BKG	512
G_BKG	512
B_BKG	512
COLOR SAVE	

5. Use the $\downarrow$ or $\uparrow$ button to select the item you want to adjust.
 - a. To increase the data value of the category, press the $\uparrow$ button.
 - b. To decrease the data value of the category, press the $\downarrow$ button.
6. To save the data value changes, press the $\downarrow$ button to select Color Save and then press the $\oplus$ button.
 - a. To save the data value changes, select Save by pressing the $\downarrow$ button and then press the $\oplus$ button.
 - b. To cancel the data value changes, select Cancel by pressing the $\downarrow$ button and then pressing the $\oplus$ button.

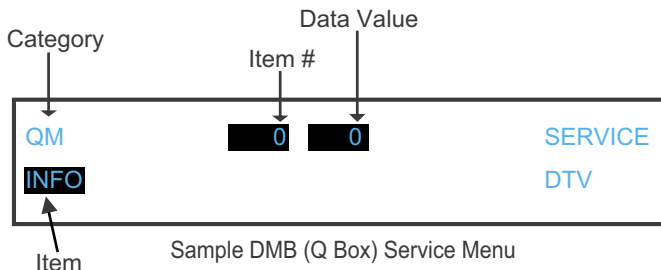
2-2-2. VIEWING THE DIGITAL MODULE BOX (Q-BOX) SERVICE ITEMS

Use the following instructions to display the Digital menu items you want to adjust.

1. Turn the TV on and view a Digital channel.
2. Put the TV in standby mode. (Power off).
3. Press the following buttons on the Remote Commander within a second:
DISPLAY → Channel **5** → Volume **+** → **POWER** On.
 The Digital service menu displays.

Video 1		
MAIN VER.	1009	
H PACK VER.	1008	
S PACK VER.	1008	
CHECK SUM	E20E	
NVM VER.	1006	
ATI VER.	01.06	
ATI UD NVM VER.	02	
ATI SD NVM VER.	02	
ETI	46h 39m	

4. To display the Digital Module (Q Box) service adjustment menus, press **JUMP**.
 The QM category displays.



5. To change the **category**, press **2** or **5** on the Remote Commander.
Note: Pressing **2** or **5** only changes the categories within the service menu displayed. To return to the Digital Service Menu, press the **JUMP** button.
6. To change the **adjustment item**, press **1** or **4** on the Remote Commander.
7. To change the **data value**, press **3** or **6** on the Remote Commander.
Note: To go back to the last saved data value, press **0** then **ENTER** on the Remote Commander to read the memory.
8. To write into memory, press **MUTING** then **ENT** on the Remote Commander.
9. To exit service mode, turn the power off.

2-2-3. ACCESSING THE ANALOG SERVICE ADJUSTMENT MENUS

1. Turn the TV on and view an Analog channel.
2. Put the TV in standby mode. (Power off).
3. Press the following buttons on the Remote Commander within a second:
DISPLAY → Channel **5** → Volume **+** → **POWER** On.
 The Analog service menu displays.

Video 1		
MAIN VER.	1008	
H PACK VER.	1005	
S PACK VER.	1008	
CHECK SUM	F99F	
NVM VER.	1006	
ATI VER.		
ATI UD NVM VER.		
ATI SD NVM VER.	02	
ETI	2h 16m	

4. Use the **↓** button to view the next category listing the white balance adjustment items.

Video 1		
R DRIVE	256	
B DRIVE	256	
R.BKG	512	
G.BKG	512	
B.BKG	512	
COLOR SAVE		

5. Use the **↓** or **↑** button to select the item you want to adjust.
 - a. To increase the data value of the category, press the **↑** button.
 - b. To decrease the data value of the category, press the **↓** button.
6. To save the data value changes, press the **↓** button to select Color Save and then press the **+** button.
 - a. To save the data value changes, select Save by pressing the **↓** button and then press the **+** button.
 - b. To cancel the data value changes, select Cancel by pressing the **↑** button and then pressing the **+** button.

2-3. RESETTING THE USER MENU - FACTORY RESET

The TEST RESET option resets all the customer adjustable data back to the factory defaults.

1. Put the TV in standby mode. (Power off).
2. Press the following buttons on the Remote Commander within a second:

DISPLAY → Channel **5** → Volume **+** → **POWER** On.

The service menu displays.

Video 1		
MAIN VER.	1009	
H PACK VER.	1008	
S PACK VER.	1008	
CHECK SUM	E20E	
NVM VER.	1006	
ATI VER.	01.06	
ATI UD NVM VER.	02	
ATI SD NVM VER.	02	
ETI	46h 39m	

3. Use the **↓** button to view the next category listing the white balance adjustment items.

Video 1		
R. DRIVE	256	
B. DRIVE	256	
R. BKG	512	
G. BKG	512	
B. BKG	512	
COLOR SAVE		

4. Continue pressing the **↓** button until the next category list displays.

Video 1		
TEST RESET		
AGING MODE	Off	
AUTO SHUT-OFF	On	
ETI CLEAR		
INFORMATION RESET		
SOUND MUTE	On	

5. Press the **⊕** button to select TEST RESET options.
6. Press the **↓** button to select OK.
7. Press the **⊕** button to reset the TV.

2-4. AGING MODE

Aging mode is designed to remove image retention from the screen.

NOTE: Once you enter into Aging Mode the Remote Commander no longer functions with the set. To turn off the set, push the Power Button on the set.

1. Put the TV in standby mode. (Power off).
2. Press the following buttons on the Remote Commander within a second:

DISPLAY → Channel **5** → Volume **+** → **POWER** On.

The service menu displays.

Video 1		
MAIN VER.	1009	
H PACK VER.	1008	
S PACK VER.	1008	
CHECK SUM	E20E	
NVM VER.	1006	
ATI VER.	01.06	
ATI UD NVM VER.	02	
ATI SD NVM VER.	02	
ETI	46h 39m	

3. Use the **↓** button to view the next category listing the white balance adjustment items.

Video 1		
R. DRIVE	256	
B. DRIVE	256	
R. BKG	512	
G. BKG	512	
B. BKG	512	
COLOR SAVE		

4. Continue pressing the **↓** button until the next category list displays.

Video 1		
TEST RESET		
AGING MODE	Off	
AUTO SHUT-OFF	On	
ETI CLEAR		
INFORMATION RESET		
SOUND MUTE	On	

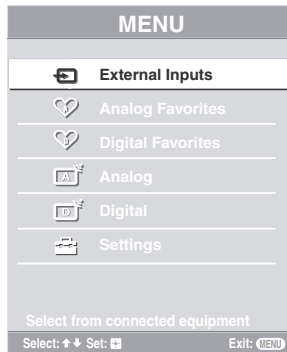
5. Press the **↓** button to select AGING MODE.
6. Press the **⊕** button to display the Aging Mode options.
7. Press the **↓** button to select ON.
8. Press the **⊕** button to start the aging process.

2-5. WHITE BALANCE ADJUSTMENT.

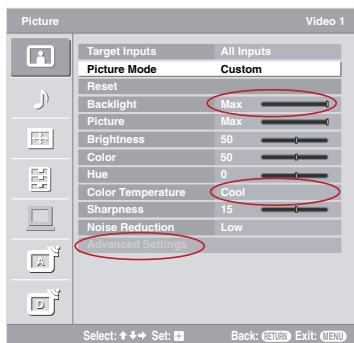
The White Balance only needs to be adjusted when you replace the BU Board.

1. Through the Video 1 input, step Gray Scale with Setup.
2. Press MENU on the Remote Commander.

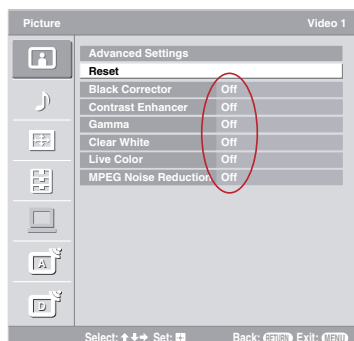
The User Menu displays.



3. Press the $\downarrow$ button until Settings is selected, then press the $\odot$ button.
4. From the Picture menu, press the $\rightarrow$ button to display the picture mode options.
 - a. Press the $\downarrow$ button to select Custom, then press the $\odot$ button.
5. From the Picture menu, press the $\downarrow$ button to select Color Temperature.
 - a. Press the $\downarrow$ button to display the Color Temperature options.
 - b. Press the $\downarrow$ button to select Cool, then press the $\odot$ button.
6. From the Picture menu, press the $\downarrow$ button to select Advanced Settings.

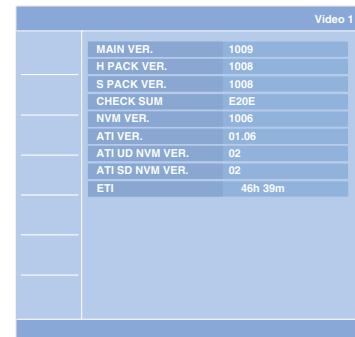


7. Using the arrow keys set all the registers in the Advanced Setting menu to Off.

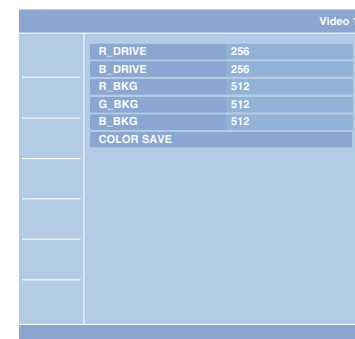


8. Put the TV in standby mode. (Power off).

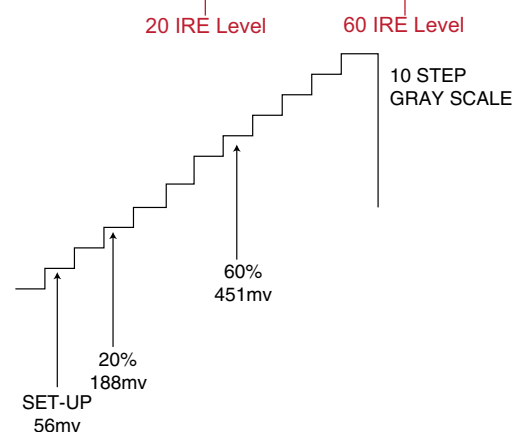
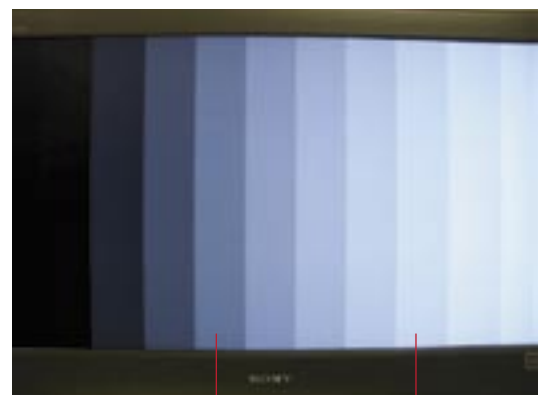
9. Access the Service Menu by pressing the following buttons on the Remote Commander within a second:
DISPLAY $\rightarrow$ Channel **5** $\rightarrow$ Volume **+** $\rightarrow$ **POWER** On.
 The Digital service menu displays.



10. Press the $\downarrow$ button to display the white balance adjustment menu items.

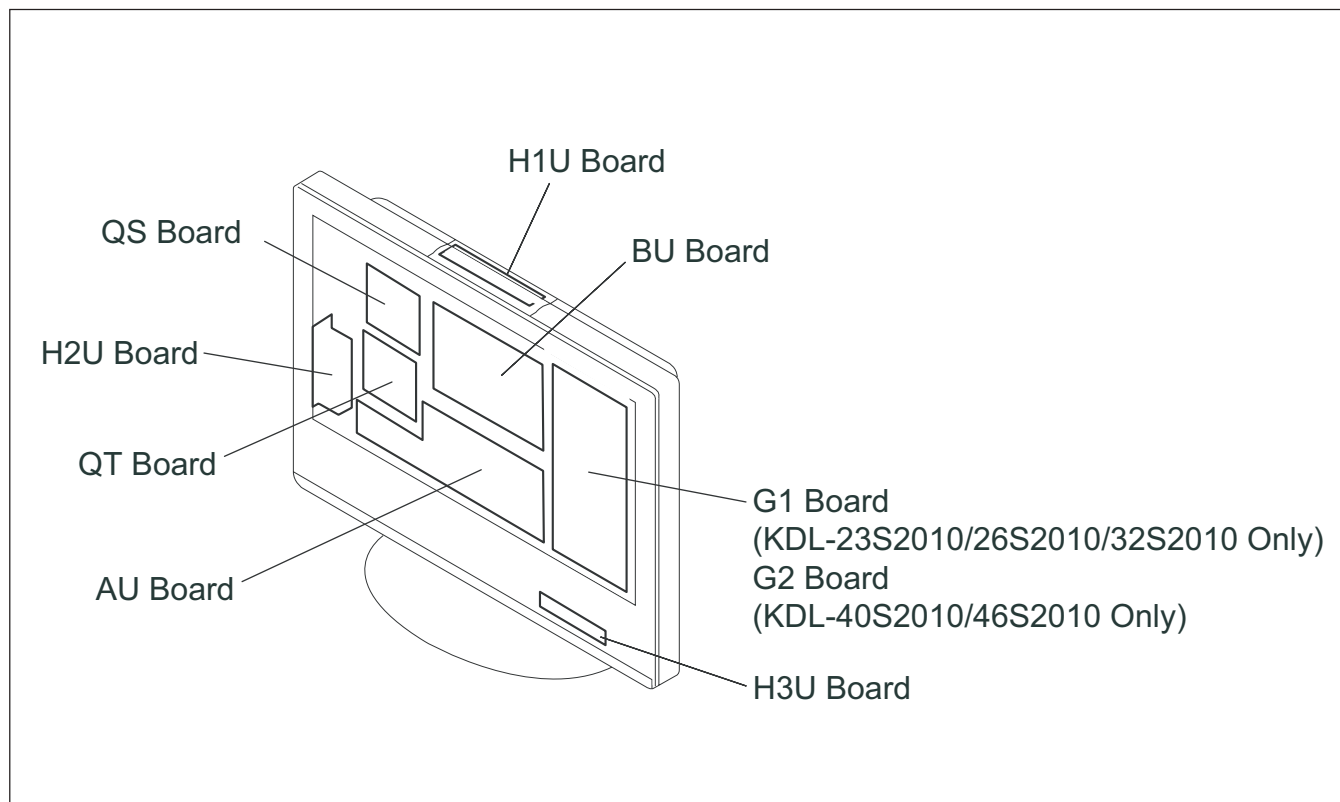


11. Using 10 step NTSC Gray Scale with Setup adjust the White Balance of the 60% shade with R_Drive and B_Drive.
12. Using the same pattern, adjust the white balance 20% with R_BKG and B_BKG.
13. 20IRE and 60IRE shades should have the same color.



SECTION 3: DIAGRAMS

3-1. CIRCUIT BOARDS LOCATION



3-2. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS INFORMATION

All capacitors are in μF unless otherwise noted. pF : μF 50V or less are not indicated except for electrolytics and tantalums.

All electrolytics are in 50V unless otherwise specified.

All resistors are in ohms. $\text{k}\Omega=1000\Omega$, $\text{M}\Omega=1000\text{k}\Omega$

Indication of resistance, which does not have one for rating electrical power, is as follows: Pitch : 5mm

Rating electrical power : $\frac{1}{4}\text{W}$

$\frac{1}{4}\text{W}$ in resistance, $\frac{1}{10}\text{W}$ and $\frac{1}{16}\text{W}$ in chip resistance.

: nonflammable resistor

: fusible resistor

: internal component

: panel designation and adjustment for repair

: earth ground

: earth-chassis

All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

Readings are taken with a color-bar signal input.

Readings are taken with a $10\text{M}\Omega$ digital multimeter.

Voltages are DC with respect to ground unless otherwise noted.

Voltage variations may be noted due to normal production tolerances.

All voltages are in V.

S : Measurement impossibility.

: B+line.

: B-line. (Actual measured value may be different).

: signal path. (RF)

Circled numbers are waveform references.

The components identified by shading and are critical for safety. Replace only with part number specified.

The symbol indicates a fast operating fuse and is displayed on the component side of the board. Replace only with fuse of the same rating as marked.

Les composants identifiés par un trame et une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Le symbole indique une fusible à action rapide. Doit être remplacé par une fusible de même valeur, comme marqué.



NOTE: The components identified by a red outline and a mark contain confidential information. Specific instructions must be adhered to whenever these components are repaired and/or replaced.
See Appendix A: Encryption Key Components in the back of this manual.

REFERENCE INFORMATION

RESISTOR

: RN METAL FILM

: RC SOLID

: FPRD NONFLAMMABLE CARBON

: FUSE NONFLAMMABLE FUSIBLE

: RW NONFLAMMABLE WIREWOUND : MPS METALIZED POLYESTER

: RS NONFLAMMABLE METAL OXIDE : MPP METALIZED POLYPROPYLENE

: RB NONFLAMMABLE CEMENT : ALB BIPOLAR

: ※ ADJUSTMENT RESISTOR : ALT HIGH TEMPERATURE

CAPACITOR

: TA TANTALUM

: PS STYROL

: PP POLYPROPYLENE

: PT MYLAR

: MPS METALIZED POLYESTER

: MPP METALIZED POLYPROPYLENE

: ALB BIPOLAR

: ALT HIGH TEMPERATURE

: ALR HIGH RIPPLE

COIL

: LF-8L MICRO INDUCTOR

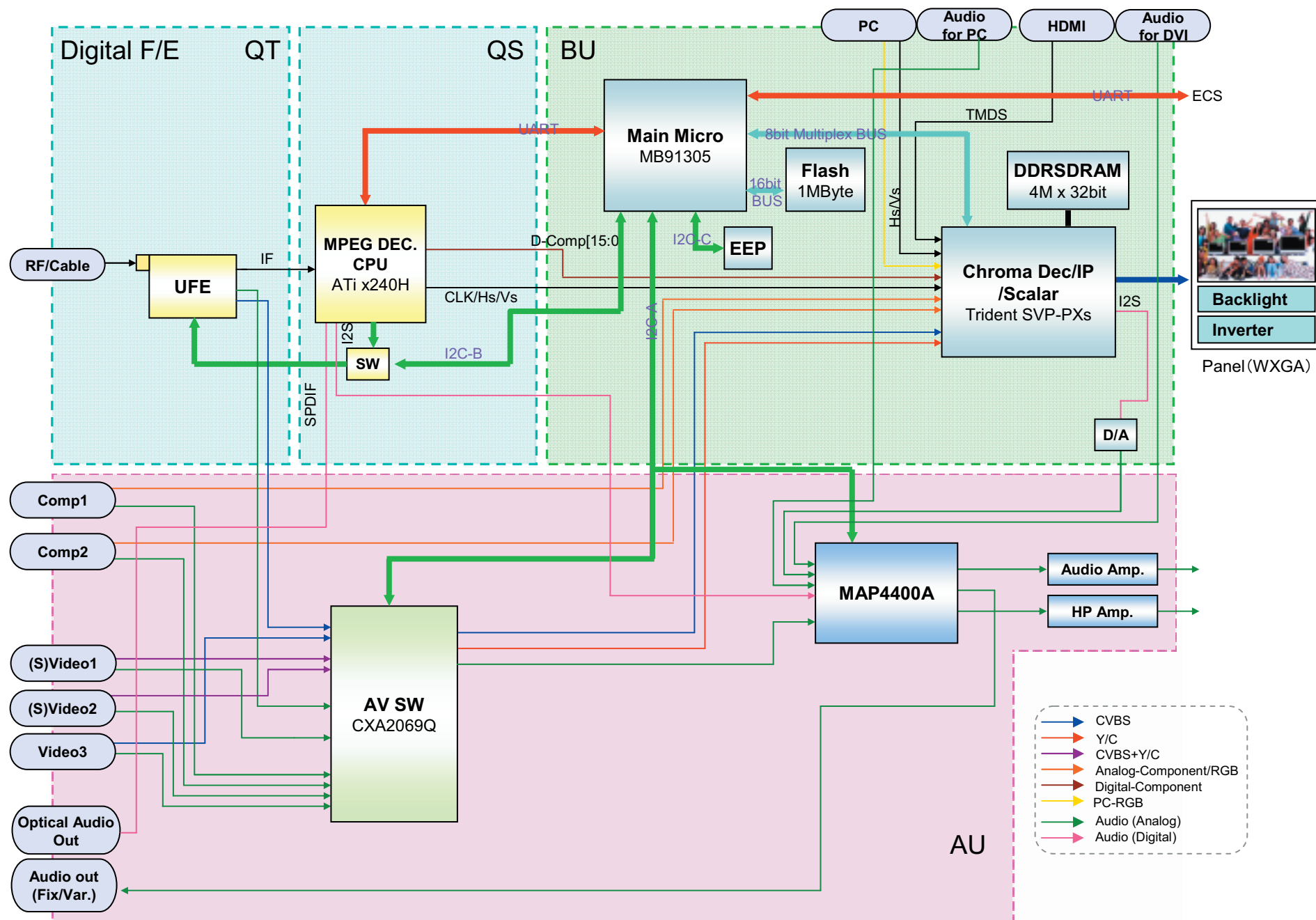
Terminal name of semiconductors in silk screen
printed circuit (※)

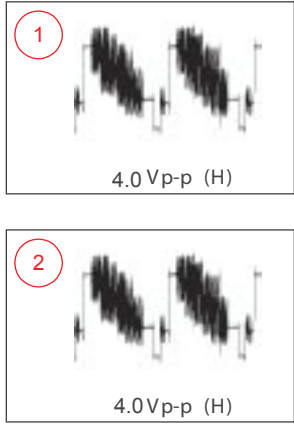
	Device	Printed symbol	Terminal name	Circuit
1	Transistor		Collector Base Emitter	
2	Transistor		Collector Base Emitter	
3	Diode		Cathode Anode	
4	Diode		Cathode Anode (NC)	
5	Diode		Cathode Anode (NC)	
6	Diode		Common Anode Cathode	
7	Diode		Common Anode Cathode	
8	Diode		Common Anode Anode	
9	Diode		Common Anode Anode	
0	Diode		Common Cathode Cathode	
!i	Diode		Common Cathode Cathode	
!TM	Diode		Anode Cathode Anode Cathode	
!£	Transistor (FET)		Drain Source Gate	
!Ç	Transistor (FET)		Drain Source Gate	
!?	Transistor (FET)		Source Drain Gate	
!§	Transistor		Emitter Collector Base	
!¶	Transistor		C2(B1) E1 E2(B2) C1	
!•	Transistor		C1(B2) E2 E1(B1) C2	
!a	Transistor		C1 B2 E2 E1 B1 C2	
@°	Transistor		C1 B2 E2 E1 B1 C2	
@ı	Transistor		E2 B1 E1 C2 C1(B2)	
@TM	Transistor		(B2) B1 E1 E2 C1 C2	
@£	Transistor		(B2) E2 E1 B1 C2 C1	
—	Discrete semiconductot			

(Chip semiconductors that are not actually used are included.)

Ver.1.6

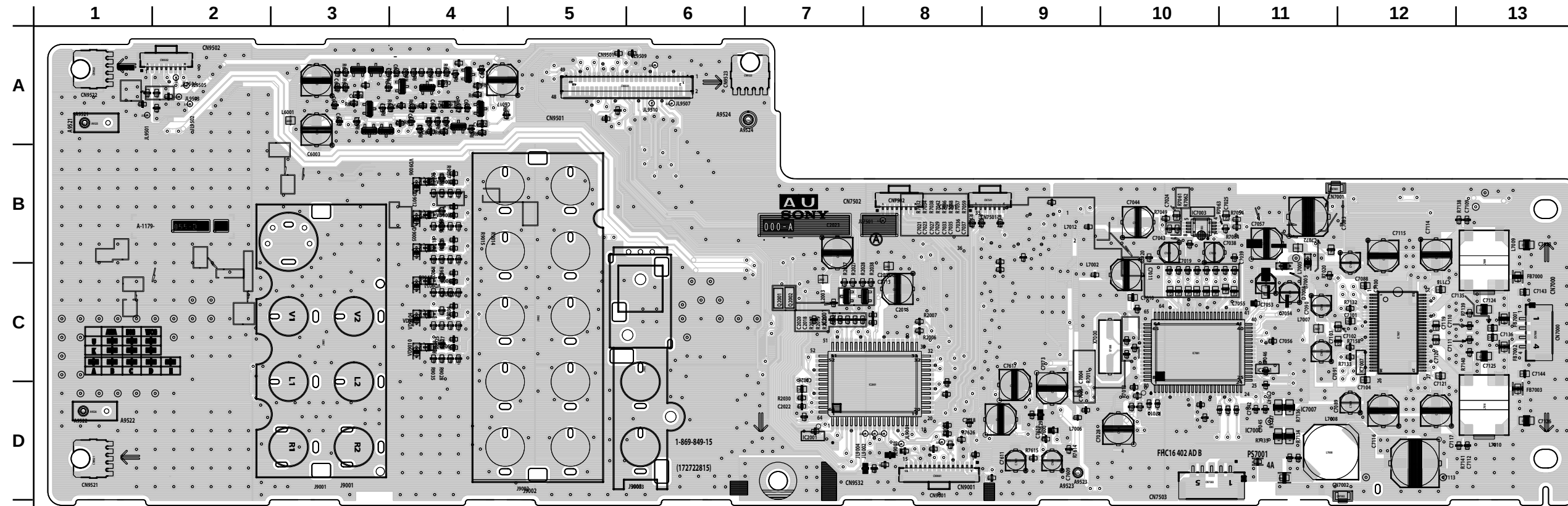
3-3. BLOCK DIAGRAM







[A/V SWITCH, INPUTS, AUDIO] COMPONENT SIDE

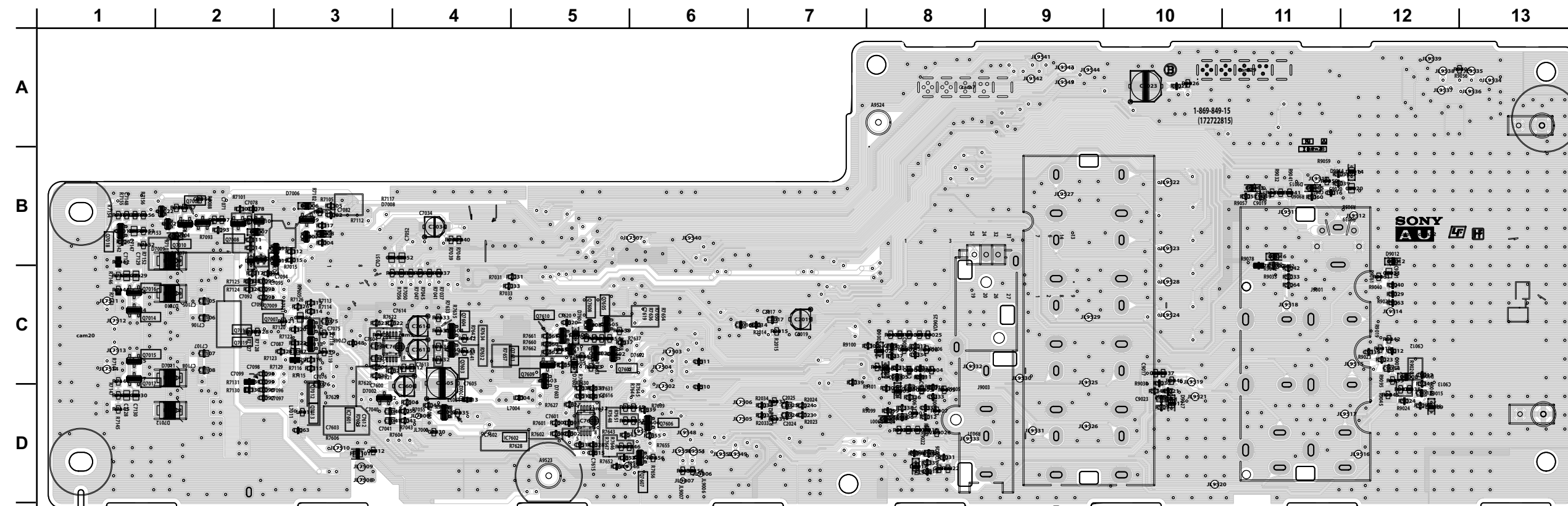


AU BOARD LOCATOR LIST

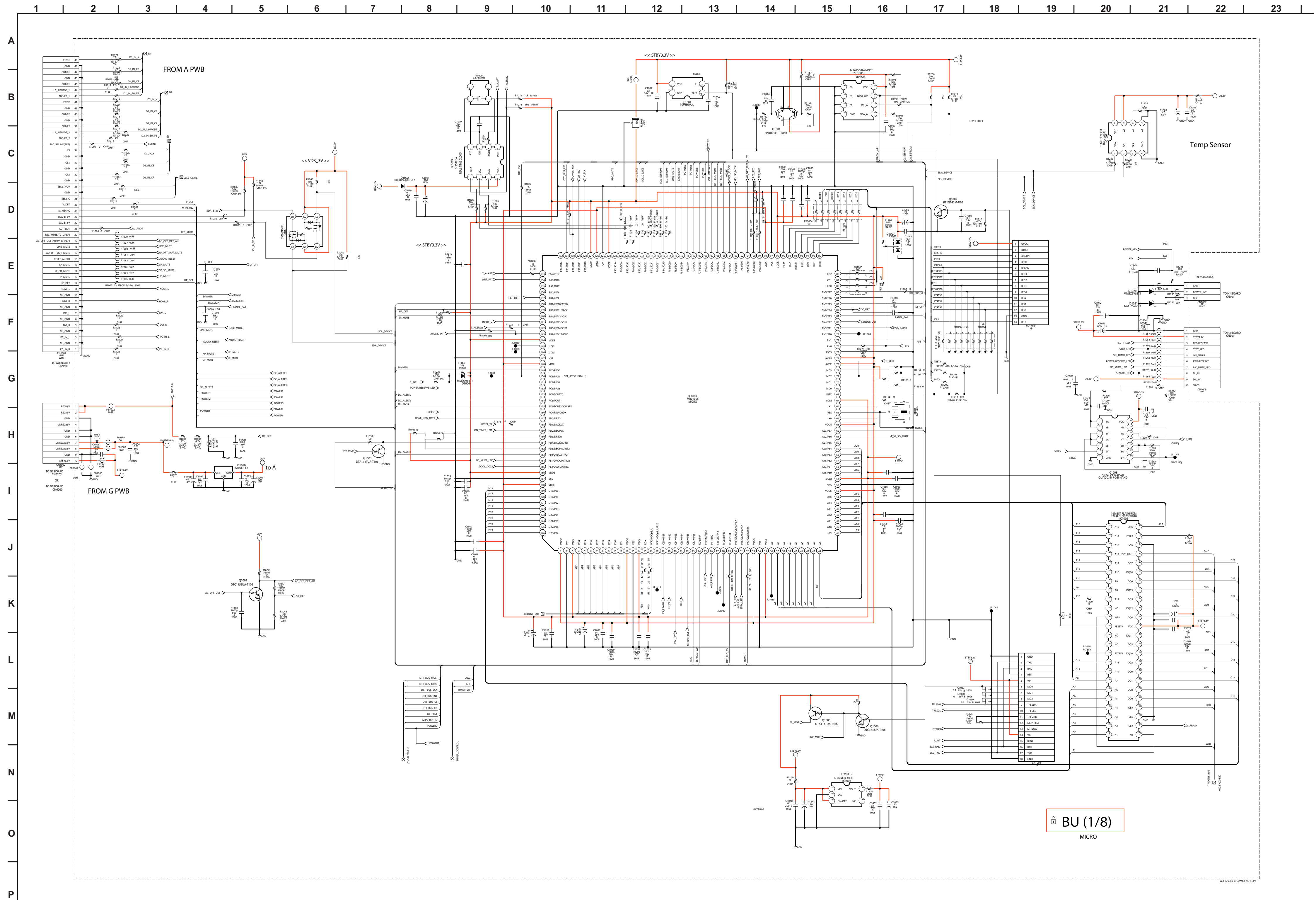
DIODE		TRANSISTOR	
D7001	B-1	Q7002	D-4
D7004	B-2	Q7005	B-2
D7006	B-2	Q7007	B-2
D7007	B-2	Q7008	B-2
D7009	C-2	Q7009	B-2
D7010	C-2	Q7010	B-2
D7011	C-2	Q7011	B-2
D7012	D-2	Q7012	C-3
D7013	B-2	Q7013	C-3
D7602	C-5	Q7014	C-1
D7603	C-5	Q7015	C-1
D7604	C-5	Q7016	C-1
D7605	C-5	Q7017	C-1
D9009	D-12	Q7018	B-1
D9012	B-12	Q7019	B-2
D9013	B-11	Q7020	B-2
D9016	B-11	Q7021	B-2
D9017	C-10	Q7602	C-5
D9018	D-8	Q7603	C-4
IC		Q7604	C-4
IC7601	C-3	Q7605	C-5
IC7602	D-5	Q7606	D-6
		Q7607	D-6
		Q7608	C-5
		Q7609	C-5
		Q7610	C-5
		Q7611	C-5

AU

[A/V SWITCH, INPUTS, AUDIO]
CONDUCTOR SIDE



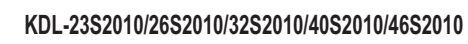
BU BOARD SCHEMATIC DIAGRAM (1 OF 8)



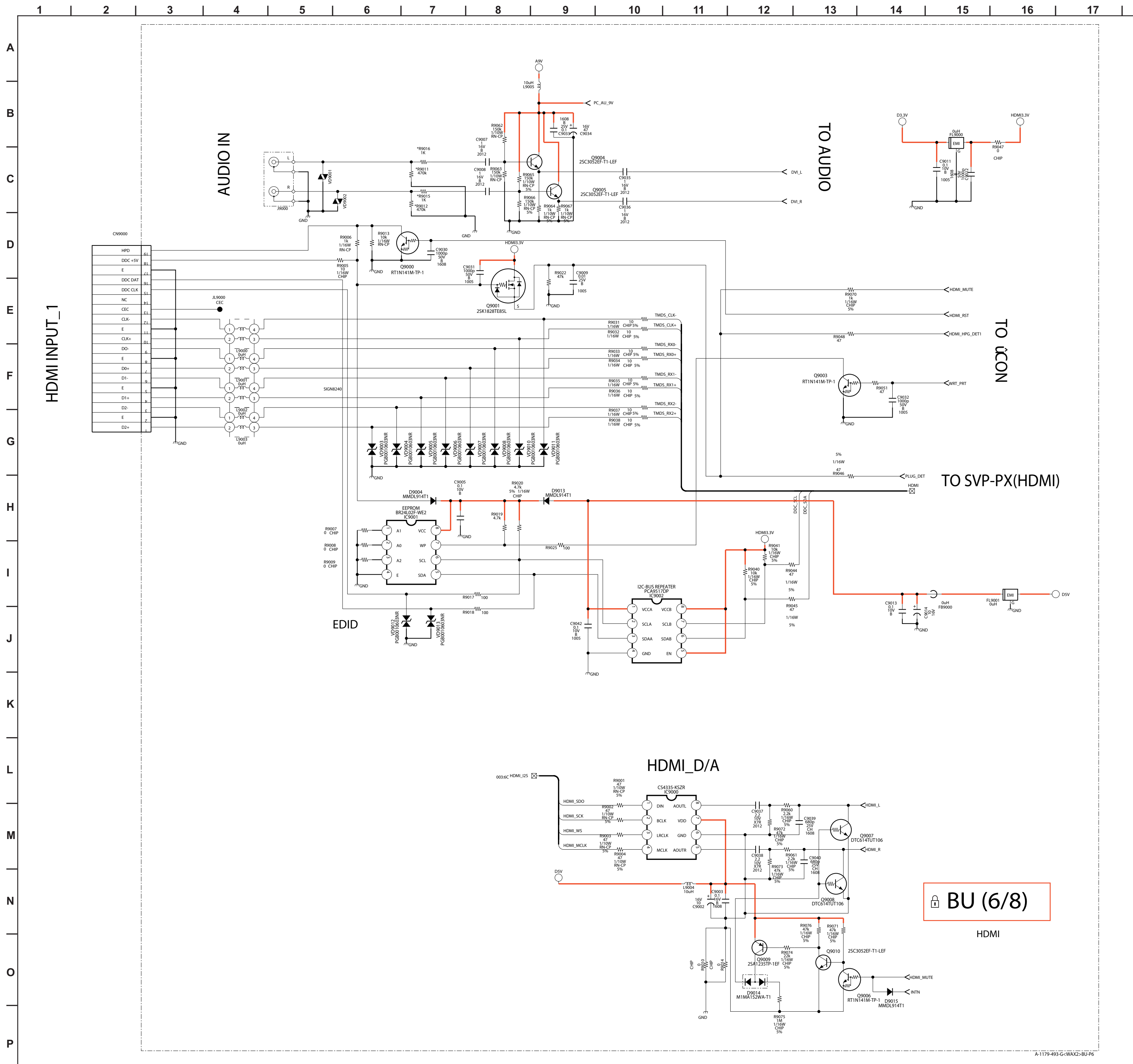


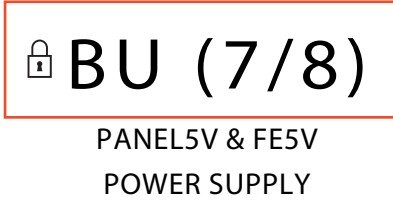




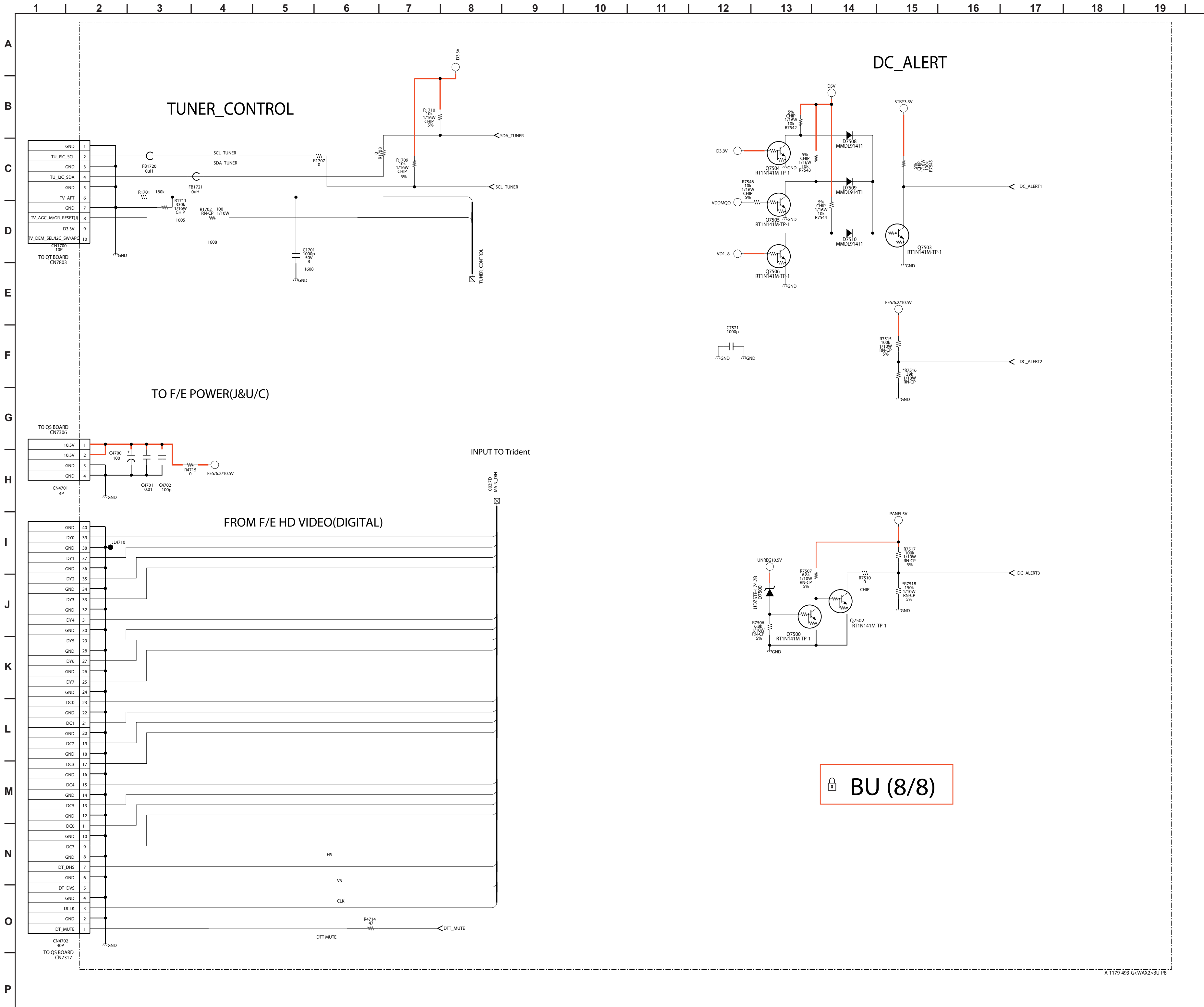


BU BOARD SCHEMATIC DIAGRAM (6 OF 8)





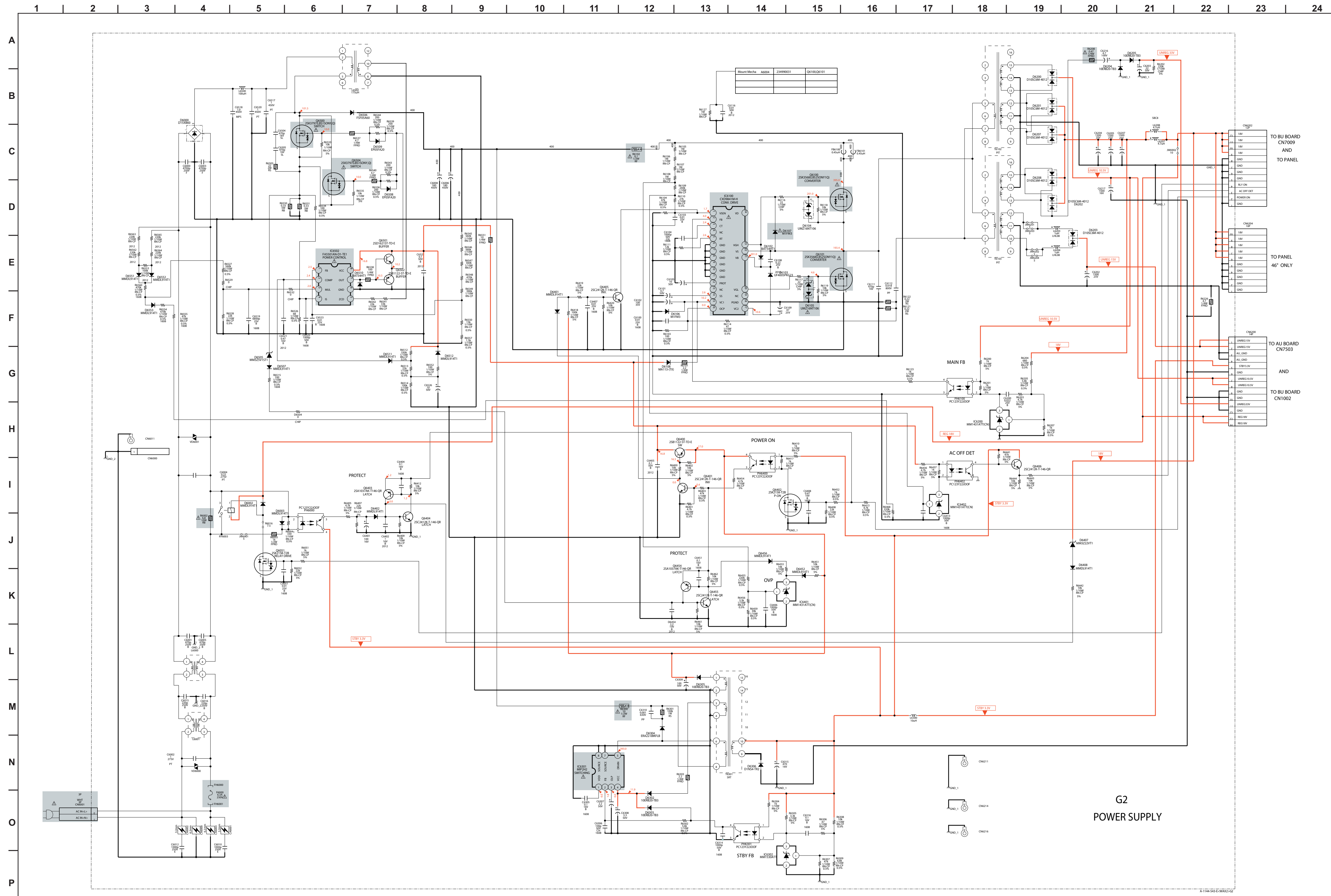
BU BOARD SCHEMATIC DIAGRAM (8 OF 8)



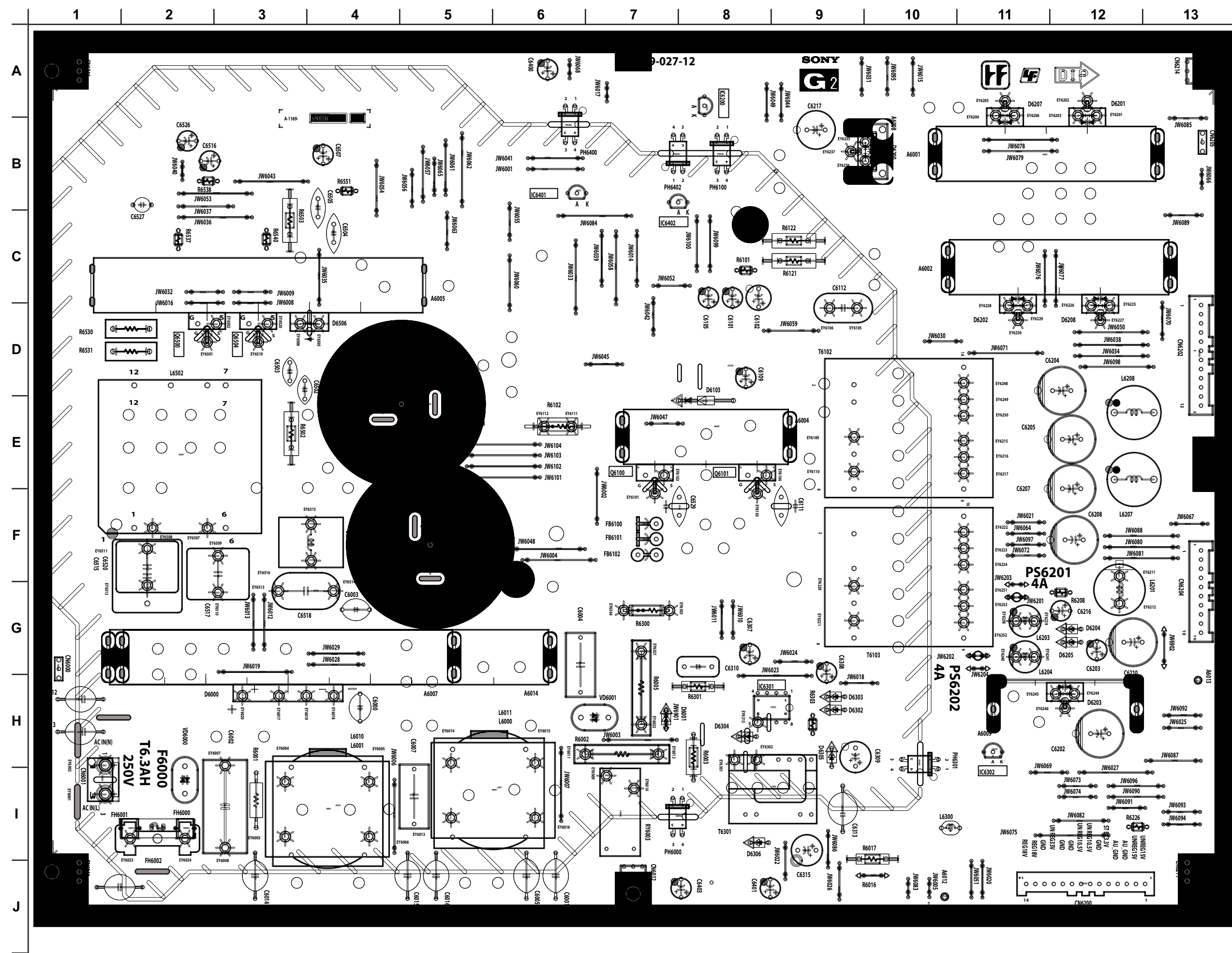




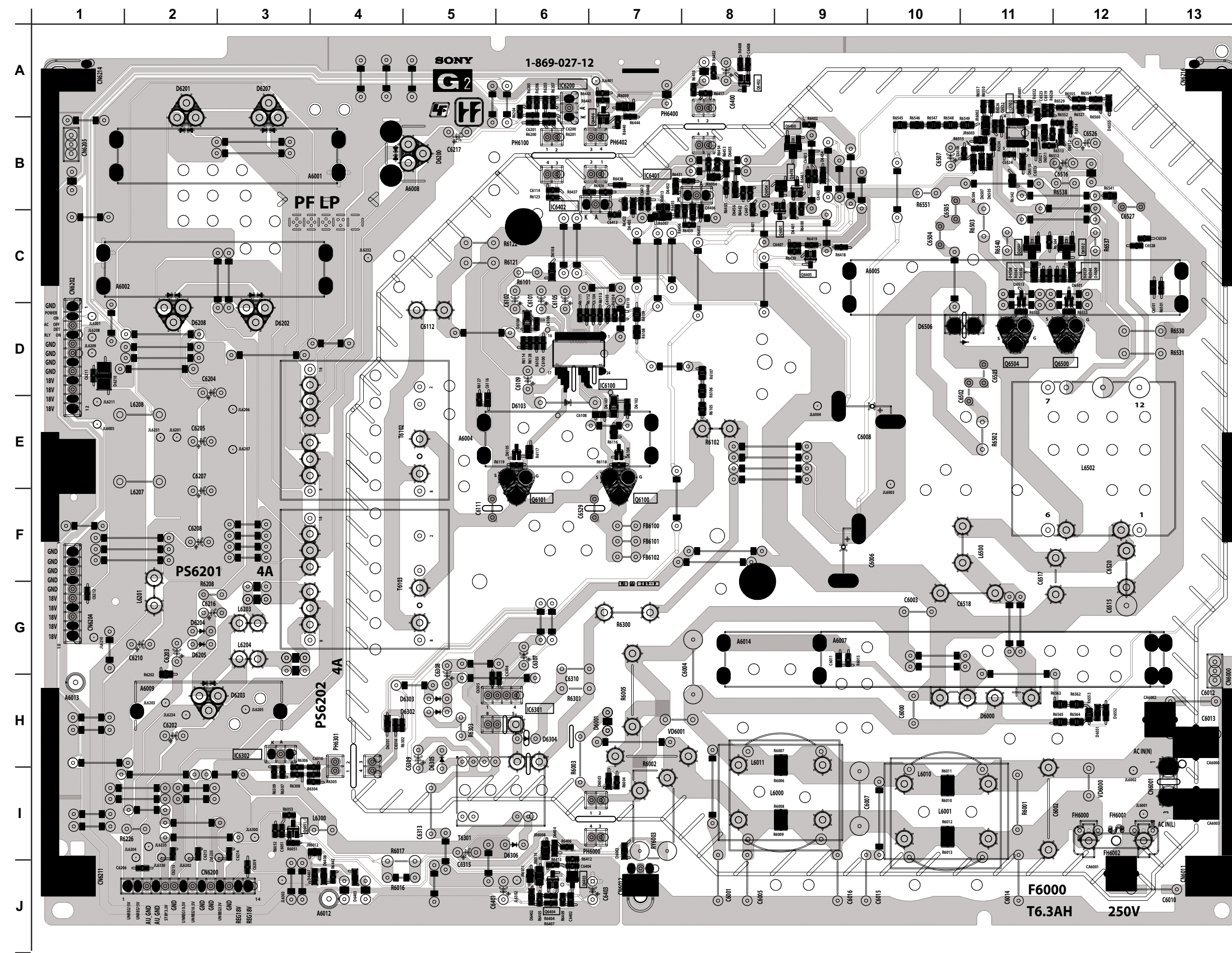
G2 BOARD SCHEMATIC DIAGRAM (KDL-40S2010/46S2010 ONLY)



G2 [POWER SUPPLY]
COMPONENT SIDE (KDL-40S2010/46S2010 ONLY)



G2 [POWER SUPPLY]
CONDUCTOR SIDE (KDL-40S2010/46S2010 ONLY)

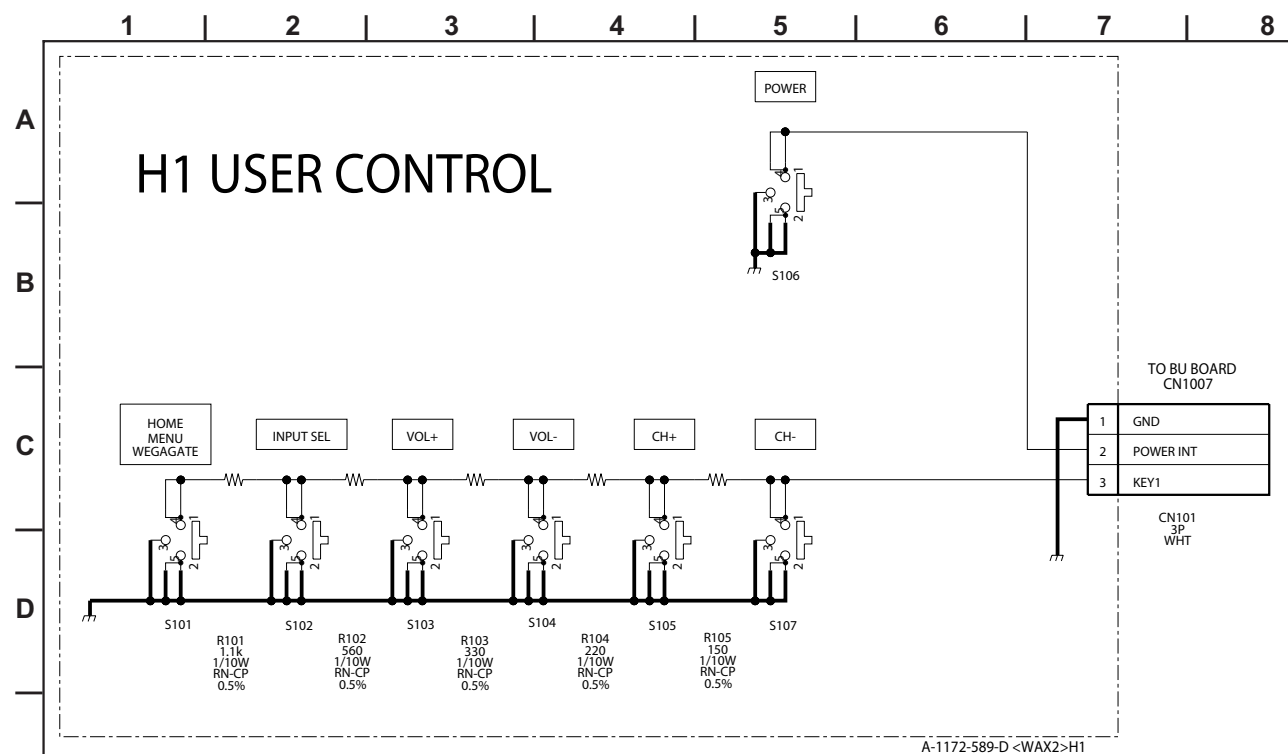


G2 BOARD LOCATOR LIST

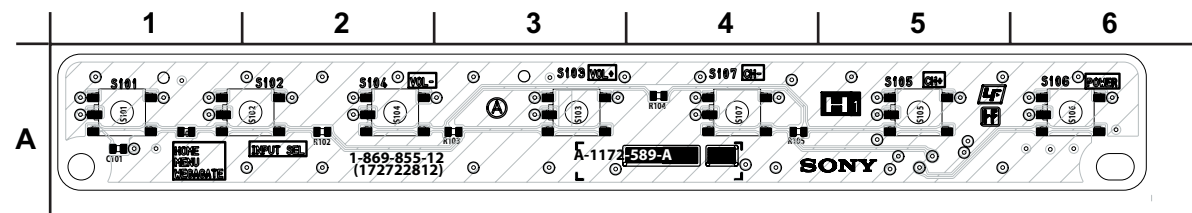
DIODE		DIODE		DIODE		TRANSISTOR	
D6000	H-11	D6208	D-2	D6508	C-11	Q6051	I-3
D6002	I-7	D6302	H-5	D6509	C-12	Q6100	F-7
D6003	I-6	D6303	H-5	D6510	B-11	Q6101	F-6
D6102	D-7	D6304	H-6	D6511	B-11	Q6400	B-9
D6103	E-6	D6305	H-5	D6512	B-12	Q6401	C-9
D6104	E-7	D6306	I-6	D6551	H-12	Q6402	A-8
D6105	E-6	D6401	C-9	D6552	H-12	Q6403	J-7
D6106	D-6	D6402	J-6	D6553	B-12	Q6404	J-6
D6107	D-7	D6407	J-3	IC		Q6405	C-9
D6108	C-6	D6408	J-4	IC6100	D-7	Q6406	A-7
D6200	B-5	D6452	B-7	IC6200	A-6	Q6454	B-8
D6201	A-2	D6454	B-9	IC6301	H-6	Q6455	B-9
D6202	D-3	D6456	B-8	IC6302	H-3	Q6500	D-12
D6203	H-3	D6504	B-11	IC6401	B-7	Q6501	C-11
D6204	G-2	D6505	B-11	IC6402	B-6	Q6502	C-12
D6205	G-2	D6506	D-10	IC6502	A-11	Q6504	D-11
D6207	A-3	D6507	B-11				

H1U BOARD SCHEMATIC DIAGRAM

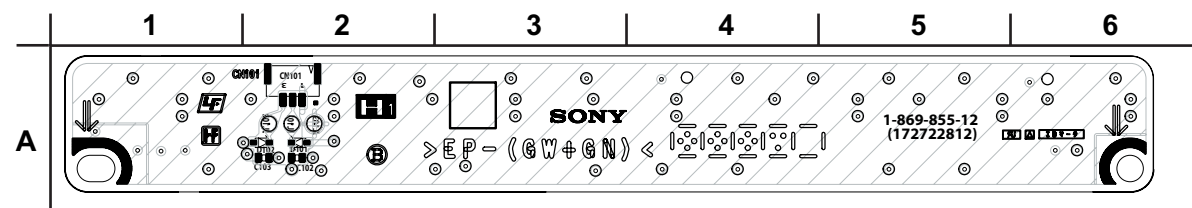
NOTE: THE SILK SCREEN ON THE BOARD DISPLAY "H1" NOT "H1U"



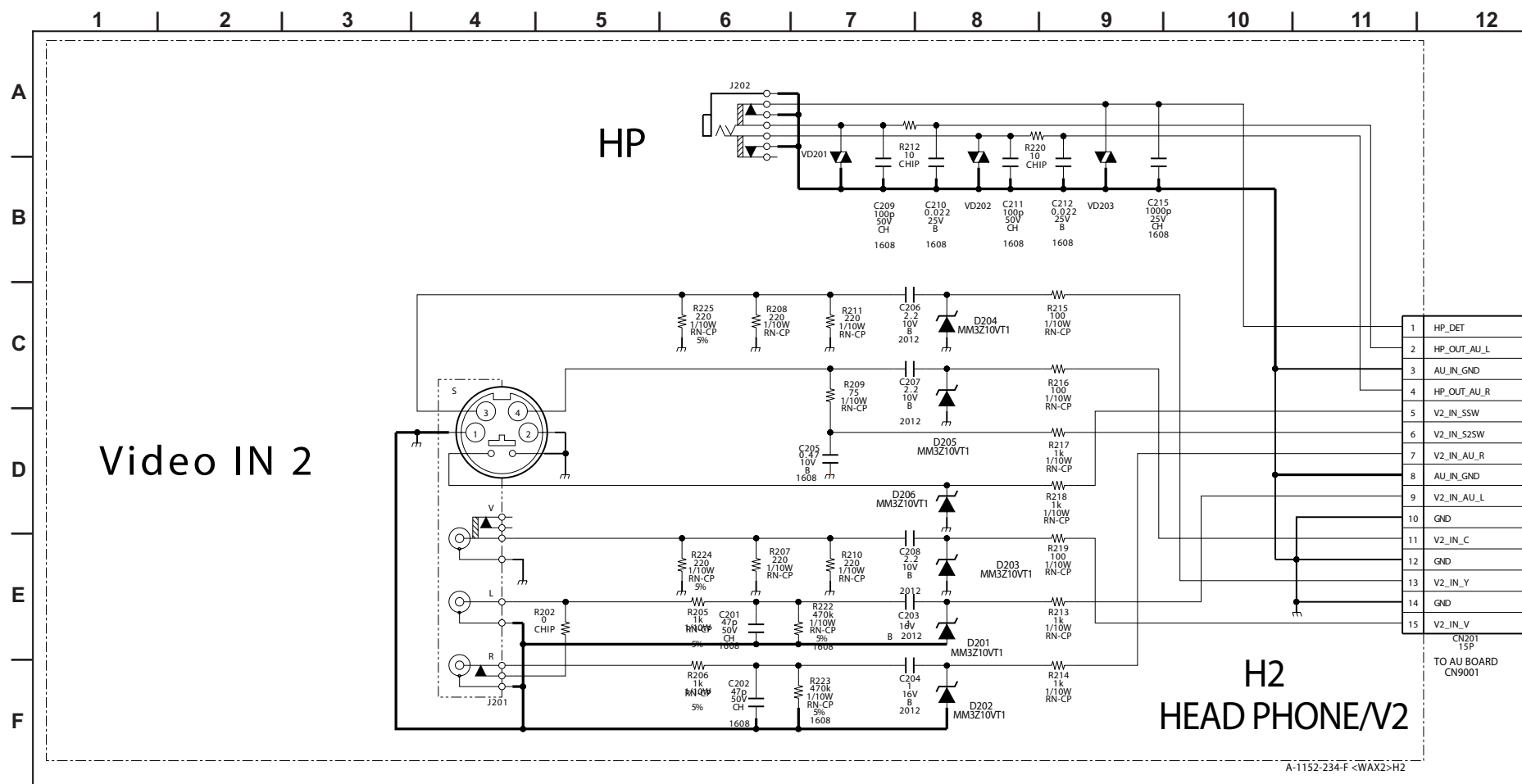
H1U [USER CONTROL] COMPONENT SIDE



H1U [USER CONTROL] CONDUCTOR SIDE

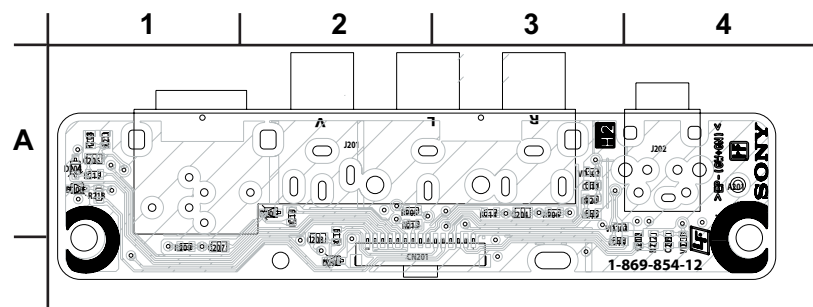


H2U BOARD SCHEMATIC DIAGRAM (ALL EXCEPT KDL-46S2010) NOTE: THE SILK SCREEN ON THE BOARD DISPLAY "H2" NOT "H2U"

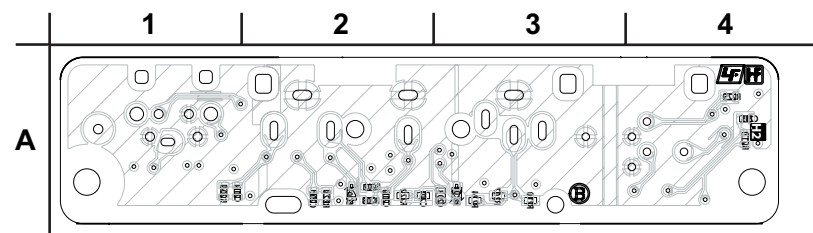


H2U

[HEAD PHONE/V2]

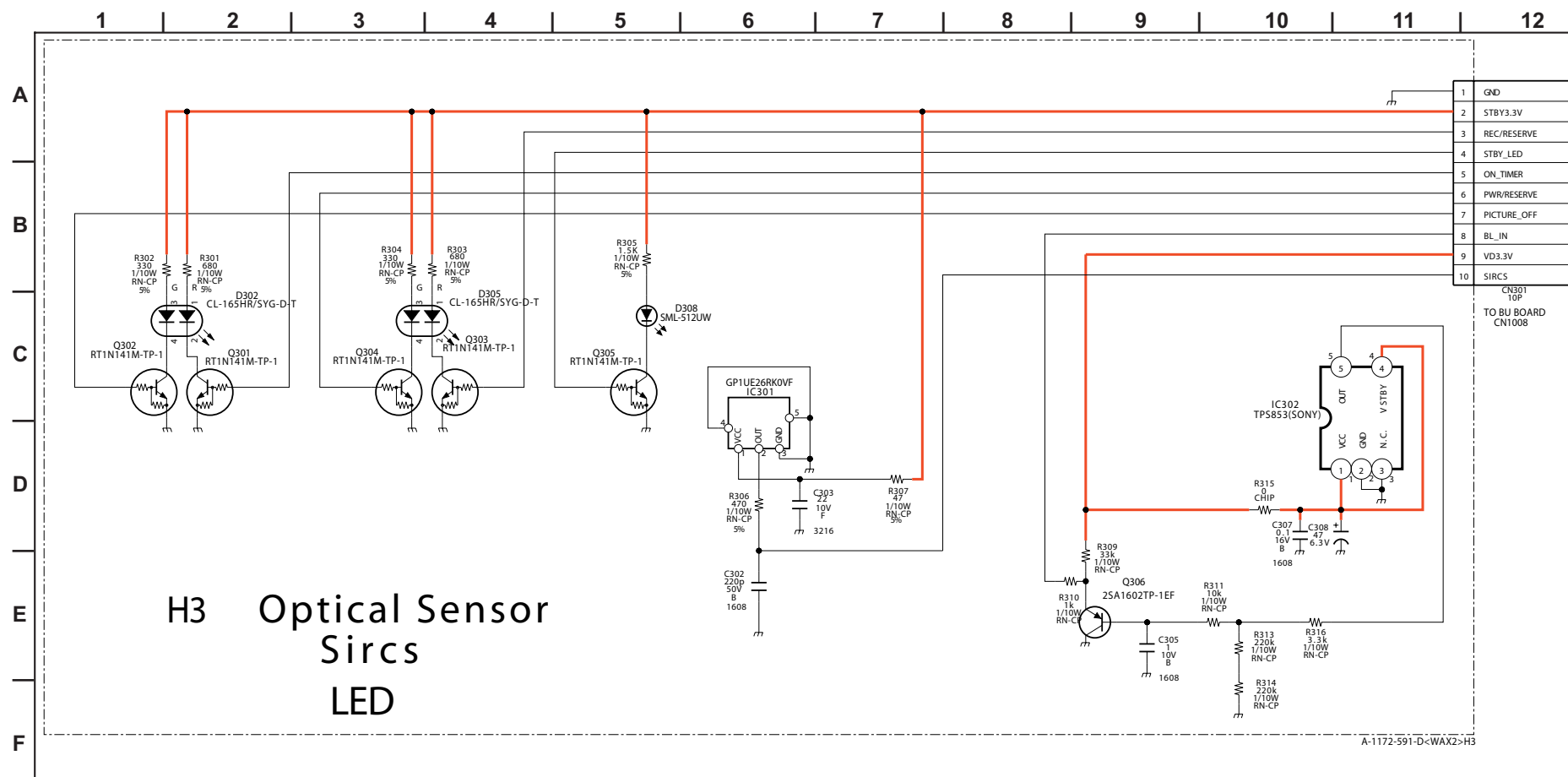
COMPONENT SIDE (ALL EXCEPT KDL-46S2010)**H2U**

[HEAD PHONE/V2]

CONDUCTOR SIDE (ALL EXCEPT KDL-46S2010)

H3U BOARD SCHEMATIC DIAGRAM

NOTE: THE SILK SCREEN ON THE BOARD DISPLAY "H3" NOT "H3U"

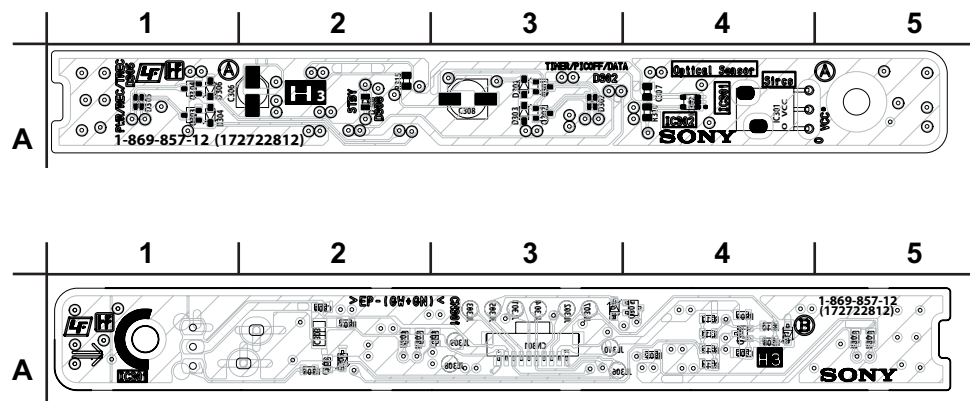


H3U

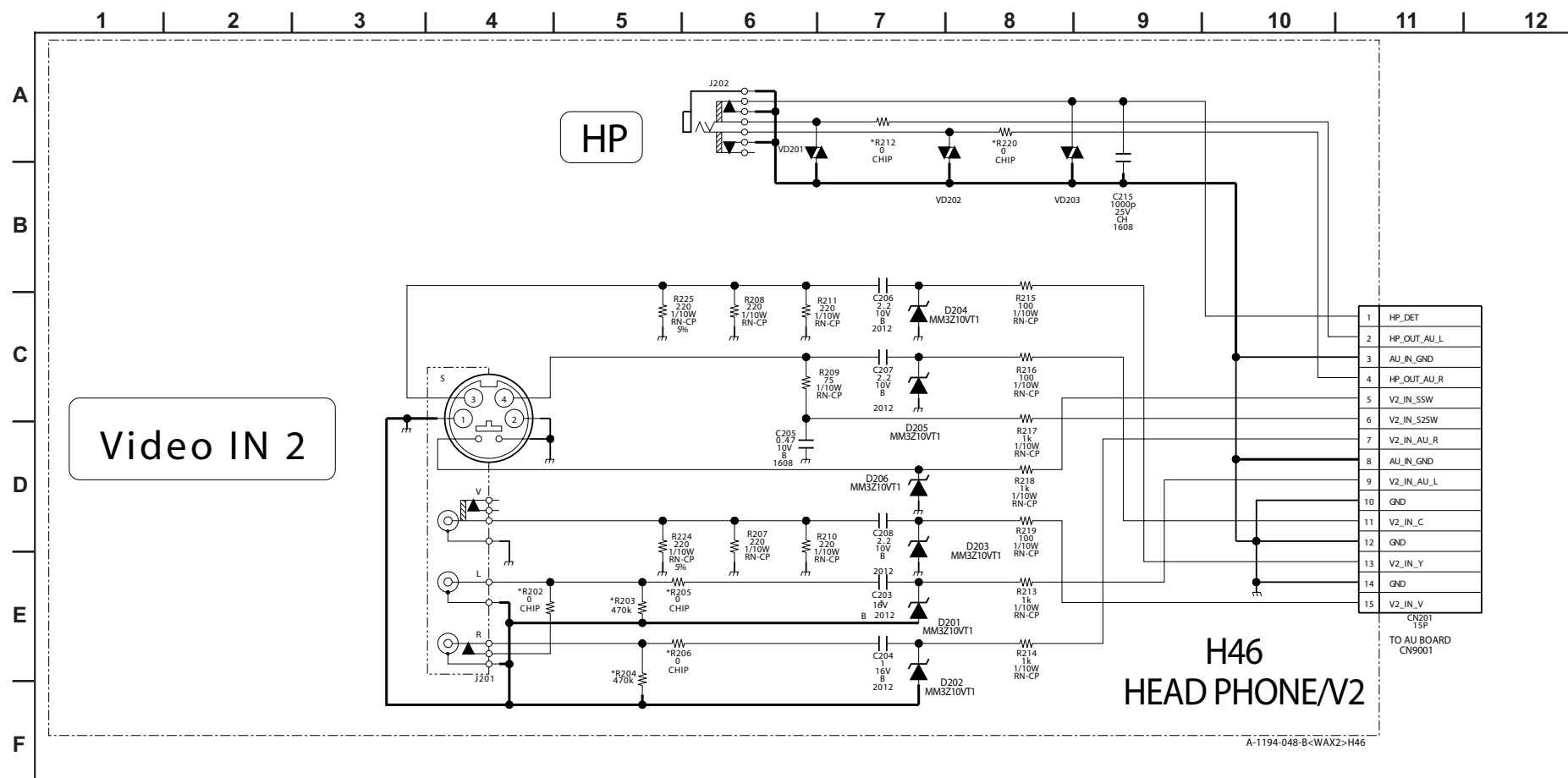
[OPTICAL SENSOR, SIRCS, LED]
COMPONENT SIDE

H3U

[OPTICAL SENSOR, SIRCS, LED]
CONDUCTOR SIDE

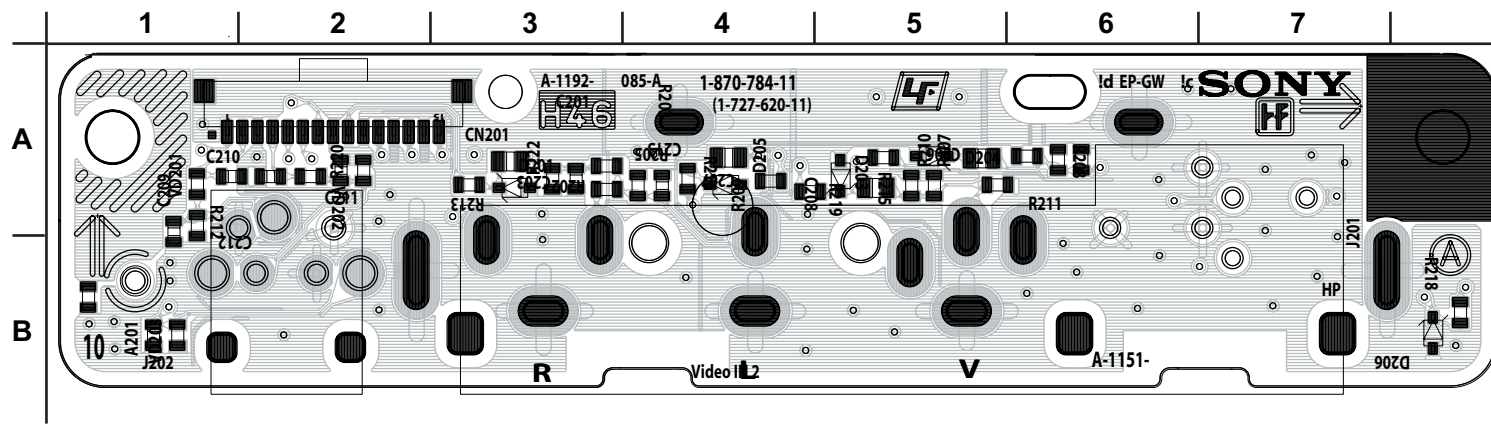


H46 BOARD SCHEMATIC DIAGRAM (KDL-46S2010 ONLY)

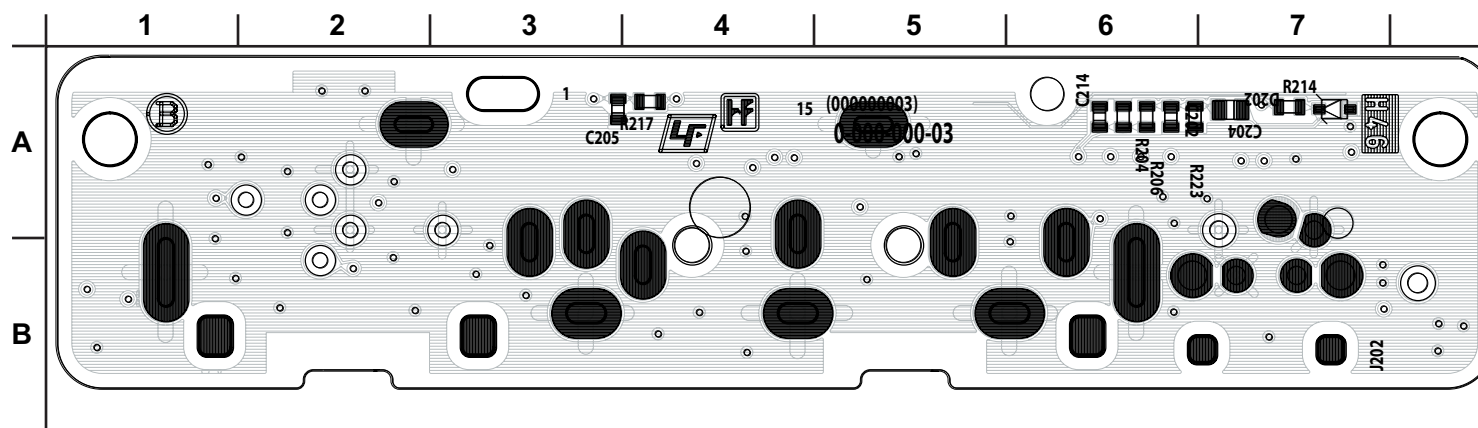


H46

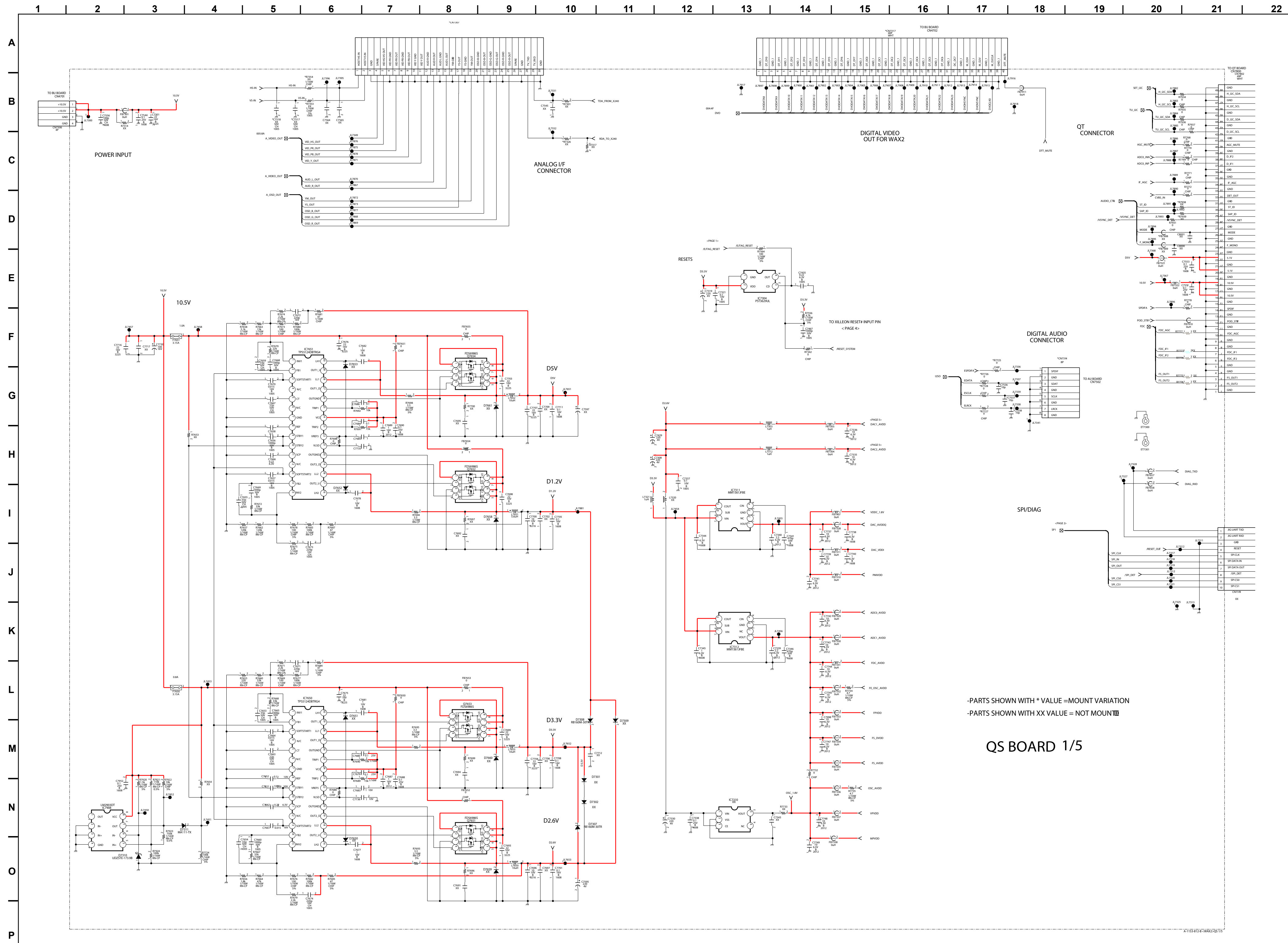
[HEAD PHONE/V2]

COMPONENT SIDE (KDL-46S2010 ONLY)**H46**

[HEAD PHONE/V2]

CONDUCTOR SIDE (KDL-46S2010 ONLY)

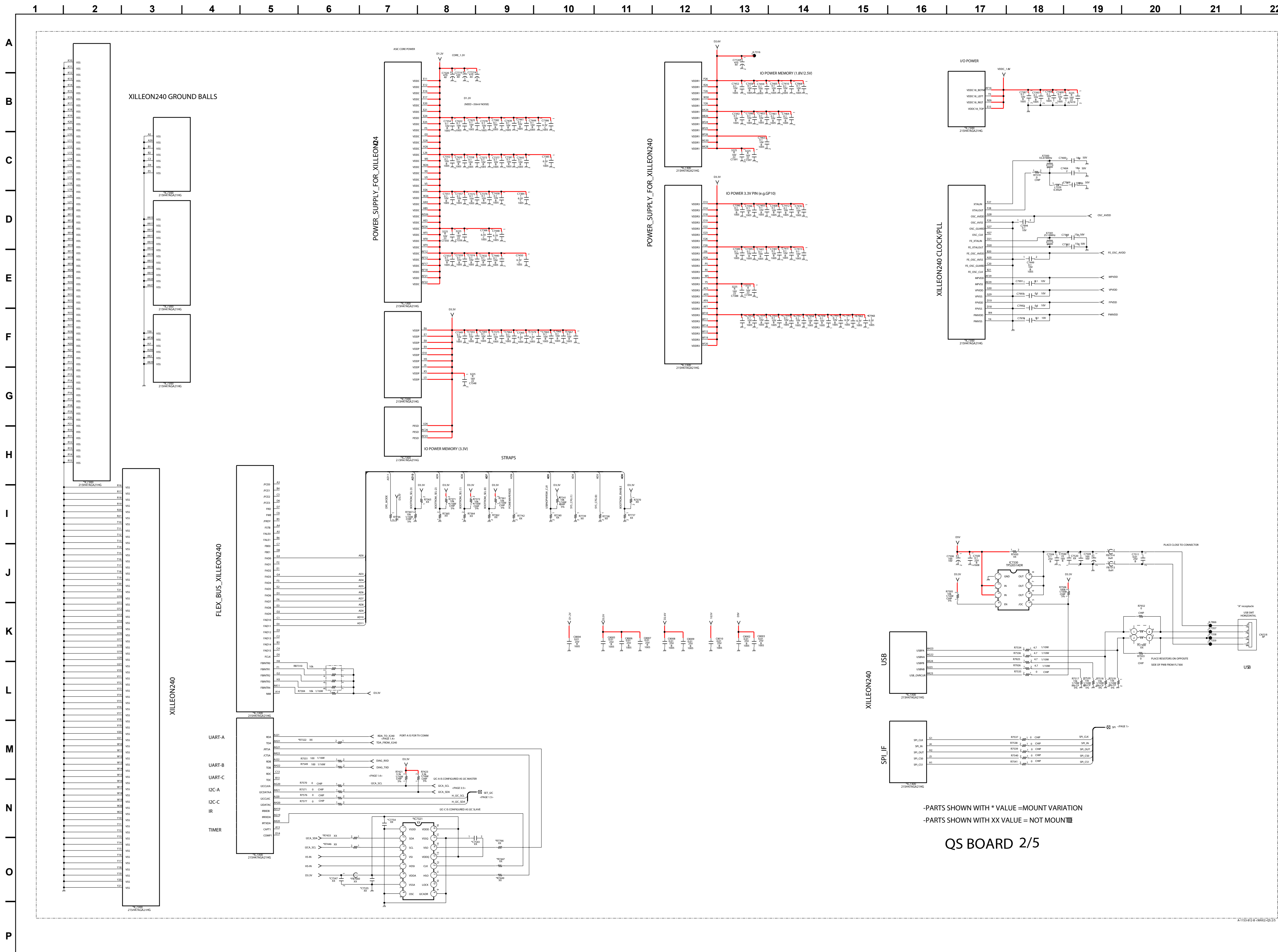
QS BOARD SCHEMATIC DIAGRAM (1 OF 5) Due to the complexity of this board, performing component level field repairs is not recommended.
If service is required, complete board replacement is the preferred repair method. Data is provided for reference only.



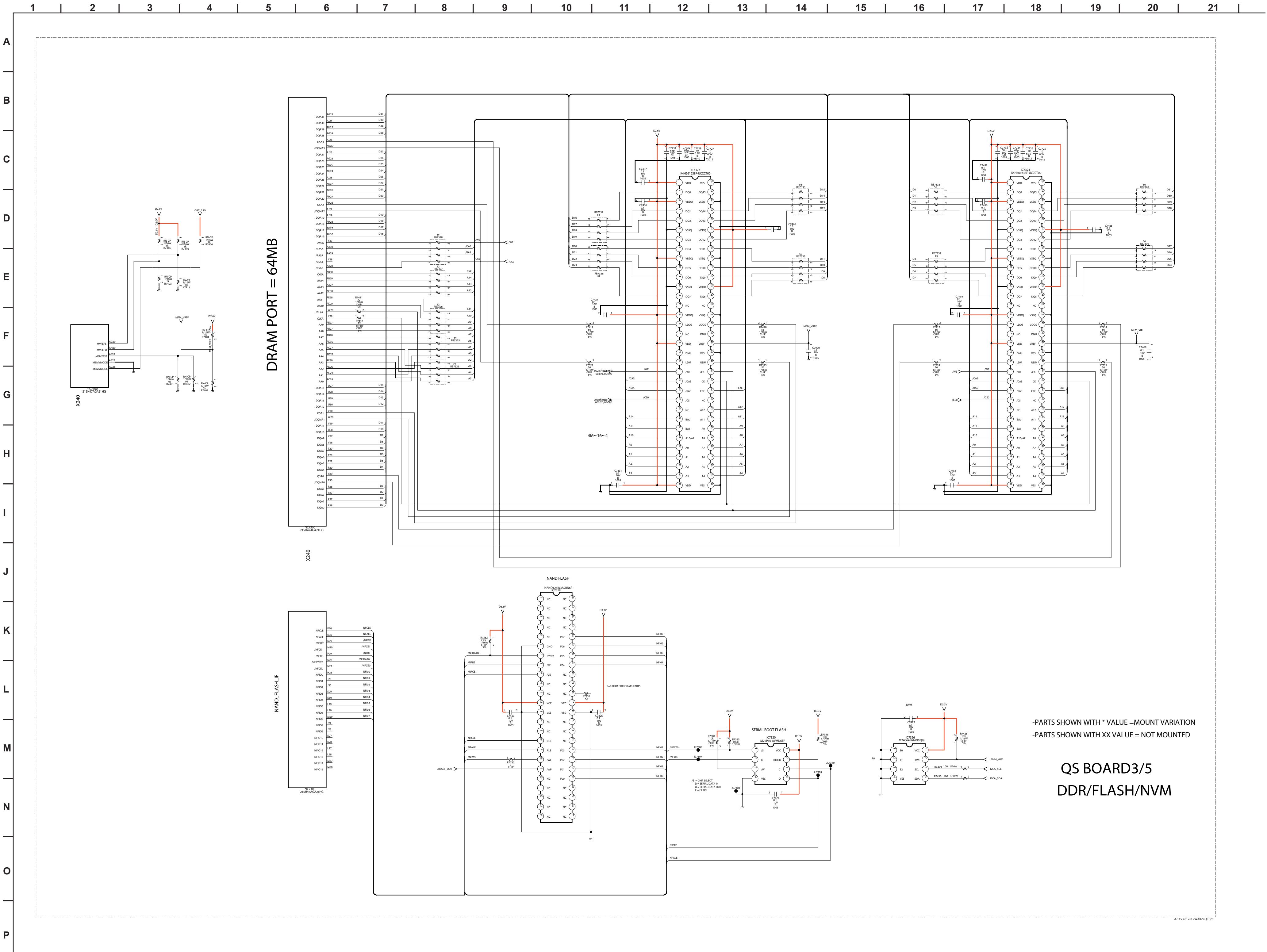
-PARTS SHOWN WITH * VALUE = MOUNT VARIATION
-PARTS SHOWN WITH XX VALUE = NOT MOUNTED

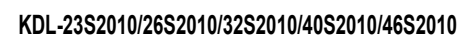
QS BOARD 1/5

QS BOARD SCHEMATIC DIAGRAM (2 OF 5) Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method. Data is provided for reference only.

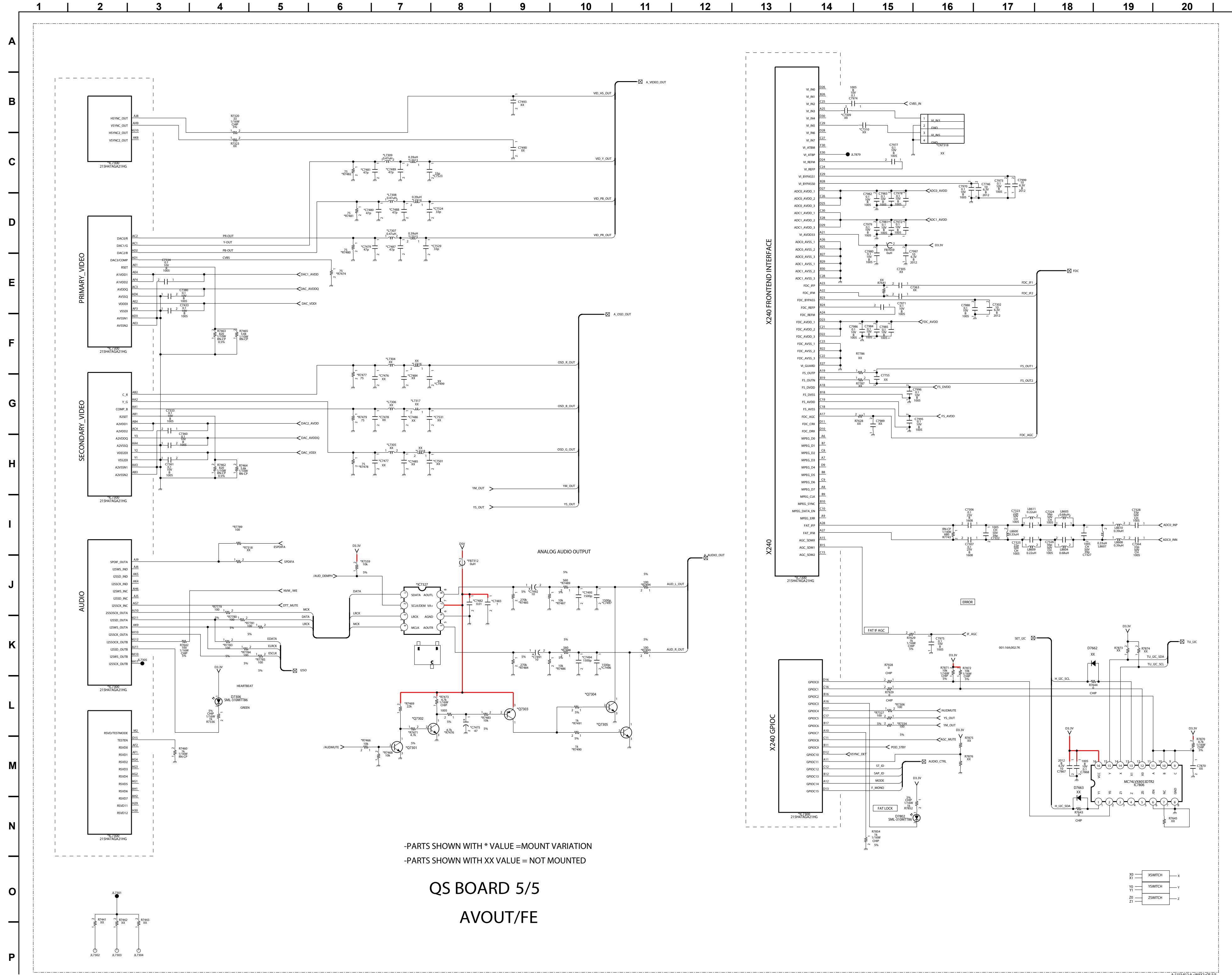


QS BOARD SCHEMATIC DIAGRAM (3 OF 5) Due to the complexity of this board, performing component level field repairs is not recommended.
If service is required, complete board replacement is the preferred repair method. Data is provided for reference only.





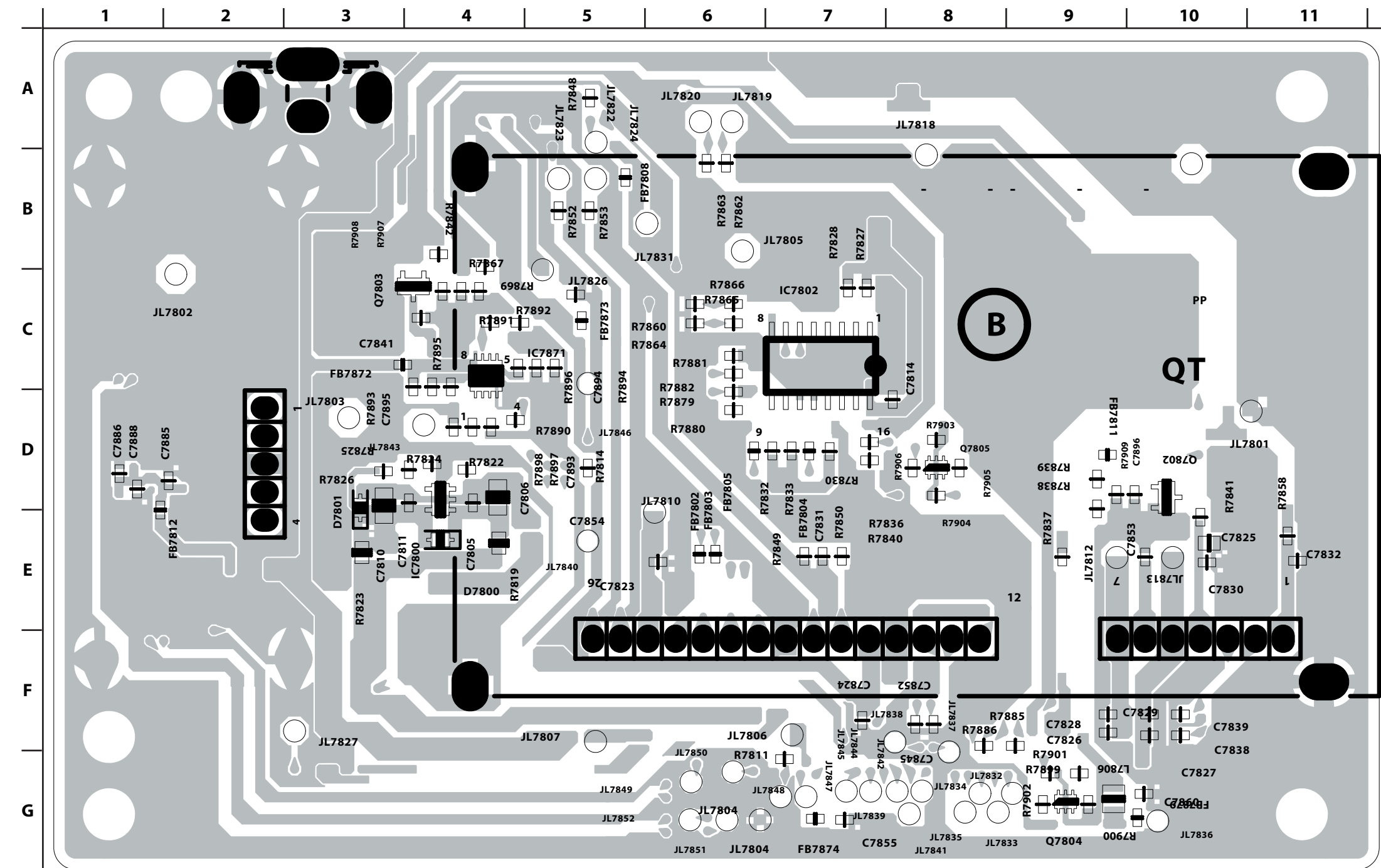
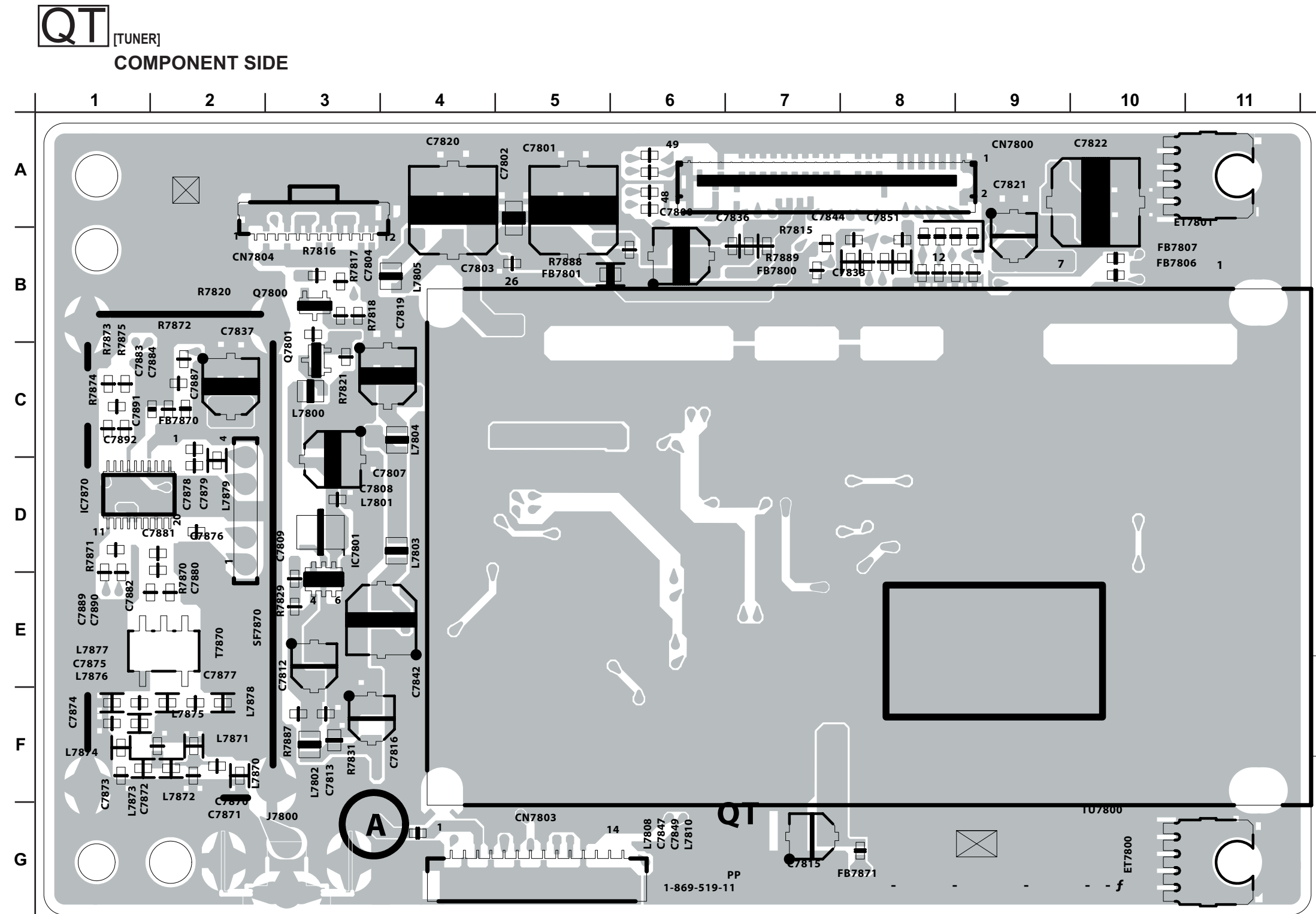
QS BOARD SCHEMATIC DIAGRAM (5 OF 5) Due to the complexity of this board, performing component level field repairs is not recommended.
If service is required, complete board replacement is the preferred repair method. Data is provided for reference only.





KDL-23S2010/26S2010/32S2010/40S2010/46S2010

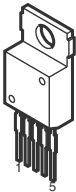




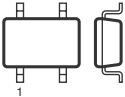
3-5. SEMICONDUCTORS

IC

BA00AST-V5

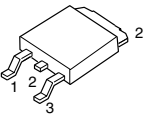


BA05FP-E2
BA09FP-E2
S-1111B33MC-NYSTFG
S-80928CNMC-G8YT2G
TC7SZ125FU(TE85R)

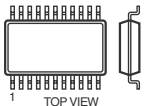


5Pin CHIP

BA18BC0FP-E2
BA25BC0FP-E2

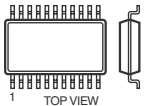


BR24L02F-WE2
CS4335-KSZR
FA5501N-TE1
LM75CIMX-3
M24128-BWMN6T(A)
M24C02-WMN6T(B)
NJM2521V(TE2)
NJM3414AV(TE2)
RC4558DR
RC4558PWR



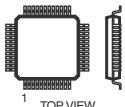
8Pin SOP

CD4052BNSR
FMS6418AM16X



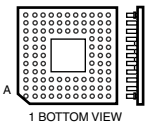
16Pin SOP

CXA2188Q-T4



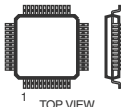
40Pin QFP

EM6A9320BI-5MG



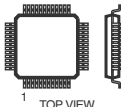
144Pin PGA

HD6433692A39FXV
HD64F3694FXV-DA4
TPA3004D2PHPR



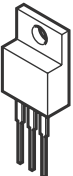
48Pin QFP

HD64F2378-12681-01

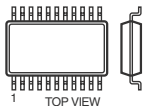


144Pin QFP

L88M05T-FA-TL

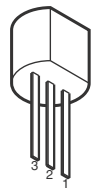


M52347FP-TE

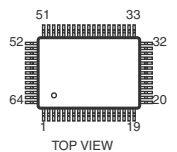


20Pin SOP

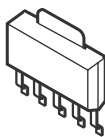
MM1431ATT



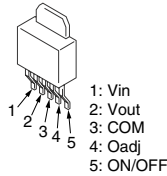
NJW1149AFH1



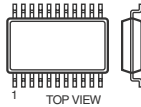
PQ1CY1032ZP



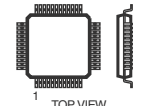
PQ1CZ41H2ZPH



RV5C387A-E2-FB

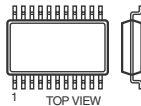


SII9993CTG100



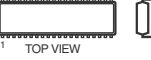
100Pin QFP

SN74LV132APWR
SN74LVC14APWR



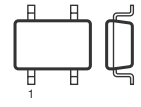
14Pin SOP

STR-A6169



8Pin DIP

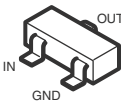
TK11819MTL



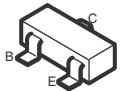
6Pin CHIP

TRANSISTOR

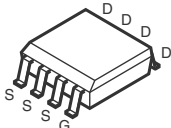
DTC114EU
DTC114EUAFT106



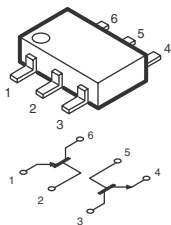
DTC114EUA-T106
DTC115EUA-T106
DTC144WKA-T146
DTC314TK-T-146
DTC323TK
DTC323TKT146
MUN2211T1
MUN2212T1
MUN5213T1
PDTTC114EK-115
UN2211
2PA1576R-115
2PC4081R-115
2PD601AR-115
2SA1037AK-T146-QR
2SA1037AK-T146-R
2SA1576A-T106-QR
2SA1774R
2SA1774TL-QR
2SC1623-L5L6
2SC2412K-T-146-QR
2SC4081-R
2SC4081T106R
2SC4617R
2SC4617TL-QR
2SD2114K
2SD601A-Q-TX



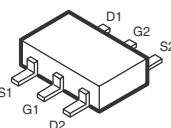
FDS6690A



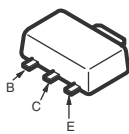
HN1B01FU-TE85R



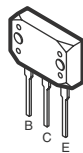
SSM6N15FU(TE85R)



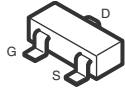
2SB1122-S
2SB1122-ST-TD-E
2SD1621-ST
2SD1621ST-TD-E



2SD2114KT146

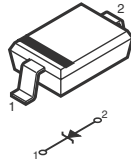


2SK2158-T2B

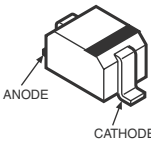


DIODE

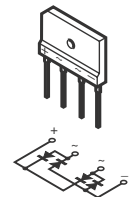
BAS316-115
EP05FA20
MM3Z10VT1
MM3Z11VT1
MM3Z13VT1
MM3Z18VST1
MM3Z22VT1
MM3Z24T1
MM3Z5V6ST1
MM3Z6V2ST1
MM3Z6V8ST1
MM3Z8V2ST1



BAT54HT1
DTZ10B
HZU5.6GTRF
MA113-(TX)
MMDL914T1
RD5.6SB-T1
UDZ-TE-17-18B
UDZ-TE-17-6.2B
UDZ-TE-17-6.8B



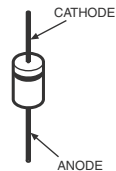
D10SBS4
D10SBS4F
D2SB60A-F04
D4SB60L



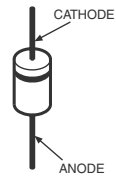
D10SC6M



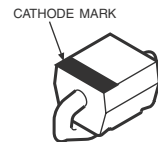
D1NL40-TA2
D1NL40-TR2
ERA22-08



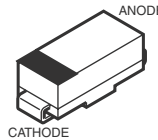
D1NS6
D1NS6-TR
ERA22-06AVRBT
UF4005PKG23
10ERB20-TB3
1N5404TU



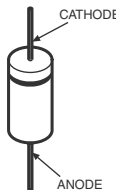
EC10QS-04
EC10QS04-TE12L5



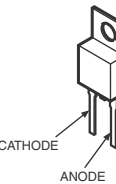
EC21QS03L-TE12L
P6SMBJ30A-5
PTZ-TE25-3.9B



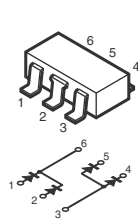
ERA22-08KFLB



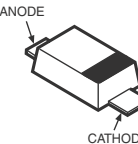
FSF05A60



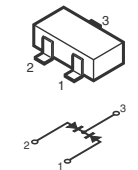
HN1D03FU-TE85L
HN1D03FU-TE85R



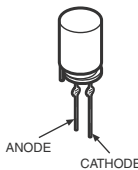
M1FM3



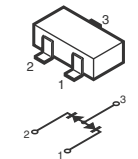
MA132WK
MA132WK-TX
MA151WK-TX
1SS184



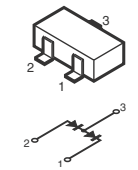
UDZSTE-1710B



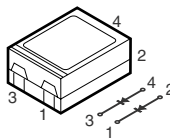
UMZ16NT106



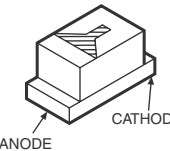
1PS302



SML-020MVT-T86



SML-310LTT86



SECTION 4: EXPLODED VIEWS

Components not identified by a part number or description are not stocked because they are seldom required for routine service.

The component parts of an assembly are indicated by the reference numbers in the far right column of the parts list and within the dotted lines of the diagram.

* Items marked with an asterisk are not stocked since they are seldom required for routine service. Expect some delay when ordering these components.

NOTE: The components identified by shading and  mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifiés par un trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

NOTE: The components identified by a red outline and a  mark contain confidential information. Specific instructions must be adhered to whenever these components are repaired and/or replaced. See Appendix A: Encryption Key Components in the back of this manual.

4-1. REAR CABINET AND STAND ASSEMBLY

(Please review the [Sony Electronics Service Information](#) website for any additional service information.)

- 7-685-648-79
- SCREW +BVTP 3X12 TYPE2 IT-3
- ☆

2-580-640-01
- SCREW, +BVTP2 4X16
- ★

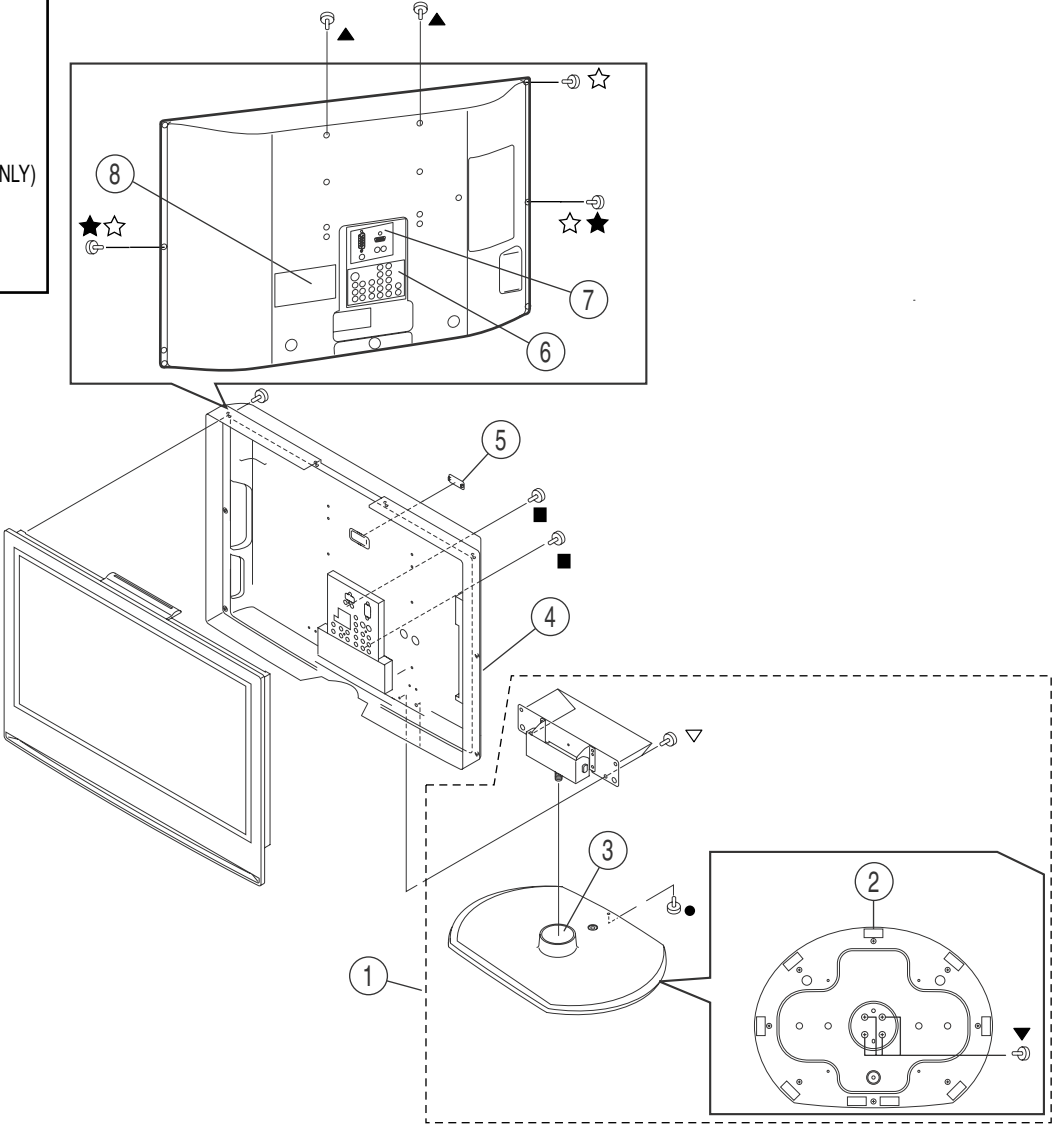
2-580-639-01
- SCREW, +BVTP2 4X12
- (ALL EXCEPT KDL-46S2010)
- 2-580-644-01
- SCREW, +KTP2 3X8
- (KDL-26S2010/32S2010 ONLY)
- 2-580-647-01
- SCREW, +KTP2 4X12
- (KDL-40S2010/46S2010 ONLY)
- ▲

2-580-603-01
- SCREW, +PSW M4X16
- (KDL-23S2010/26S2010 ONLY)
- ▲

2-580-611-01
- SCREW, +PSW M6X16
- (KDL-32S2010/40S2010/46S2010 ONLY)
- ▼

2-580-600-01
- SCREW, +PSW M4X8
- ▽

2-580-602-01
- SCREW, +PSW M4X12
- (ALL EXCEPT KDL-23S2010)



REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]	REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
1	X-2149-604-1	ASSEMBLY STAND (S) B	[2]	5	2-664-636-01	COVER, ECS	
		(KDL-23S2010 ONLY)		6	2-681-672-02	LABEL, TERMINAL (REAR)	
1	A-1214-801-A	STAND ASSY (M)	[2]	7	2-681-673-02	LABEL, HDMI	
		(KDL-26S2010/32S2010 ONLY)					
1	A-1214-954-A	STAND ASSY (L)	[2-3]	* 8	2-889-572-21	LABEL, INFORMATION	
		(KDL-40S2010/46S2010 ONLY)				(KDL-23S2010 ONLY)	
2	2-886-221-01	FOOT		* 8	2-889-572-31	LABEL, INFORMATION	
		(ALL EXCEPT KDL-23S2010)				(KDL-26S2010 ONLY)	
* 3	2-687-400-01	NECK (L)		* 8	2-889-572-01	LABEL, INFORMATION	
		(KDL-40S2010/46S2010 ONLY)				(KDL-32S2010 ONLY)	
4	2-679-421-01	COVER,REAR(23)		* 8	2-889-572-11	LABEL, INFORMATION	
		(KDL-23S2010 ONLY)				(KDL-40S2010 ONLY)	
4	2-679-425-04	COVER,REAR(26)		* 8	2-889-572-41	LABEL, INFORMATION	
		(KDL-26S2010 ONLY)				(KDL-46S2010 ONLY)	
4	X-2148-024-1	COVER REAR ASSY (32)					
		(KDL-32S2010 ONLY)					
4	X-2148-025-2	COVER REAR ASSY (40)					
		(KDL-40S2010 ONLY)					
4	X-2148-470-1	COVER, REAR ASSY (46)					
		(KDL-46S2010 ONLY)					
4	2-667-650-01	COVER, SERVICE (A)					

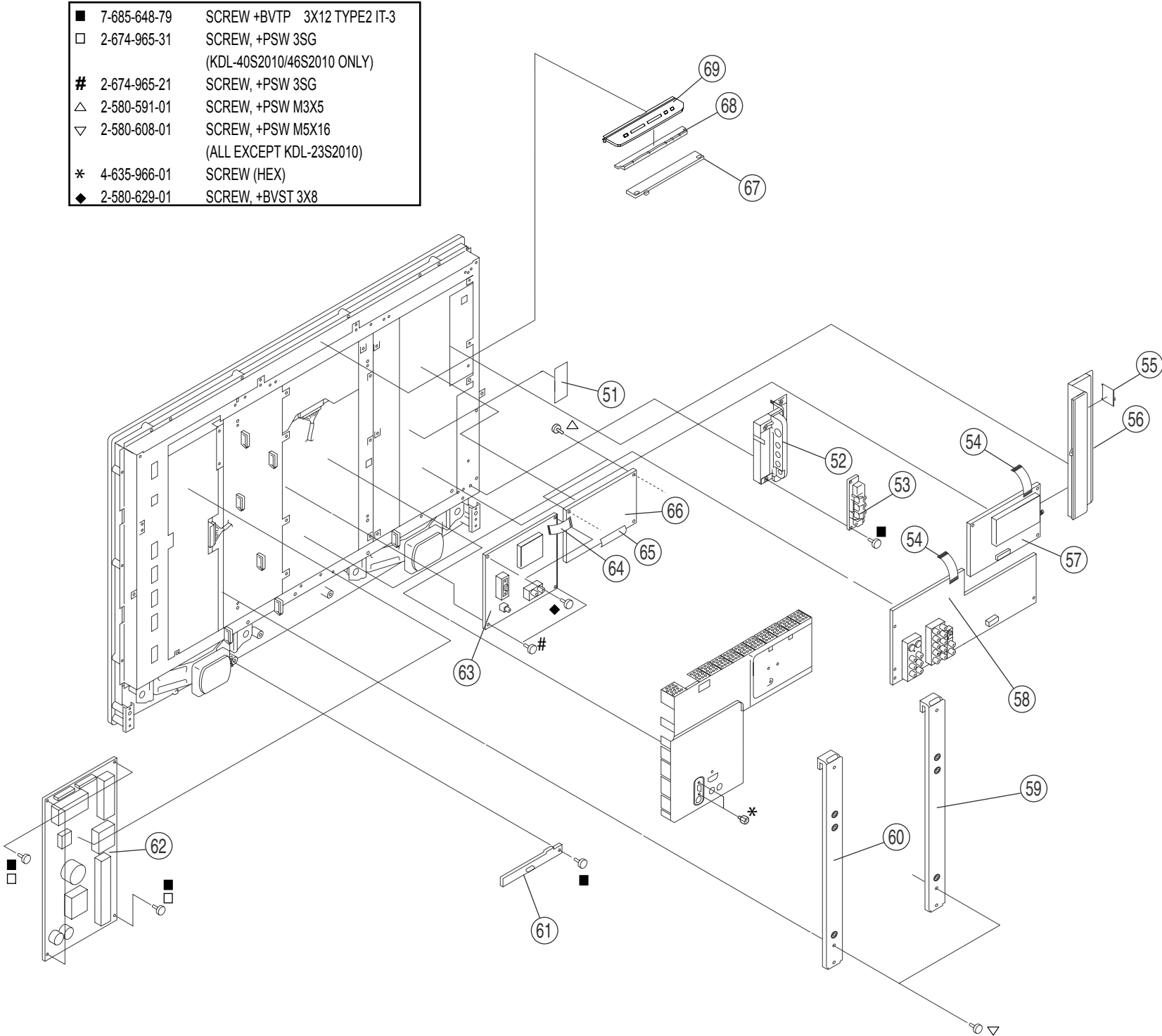
NOTE: The components identified by shading and  mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifiés par un trame et une marque  sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

NOTE: The components identified by a red outline and a  mark contain confidential information. Specific instructions must be adhered to whenever these components are repaired and/or replaced. See Appendix A: Encryption Key Components in the back of this manual.

4-2. CHASSIS

(Please review the [Sony Electronics Service Information](#) website for any additional service information.)



REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]	REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
* 51	4-092-814-02	CUSHION D (ALL EXCEPT 46S2010)		60	X-2109-551-1	VESA BRACKET (32R) ASSY (KDL-32S2010 ONLY)	
52	X-2148-389-1	HOLDER, SIDE JACK (LU) ASSY (KDL-46S2010 ONLY)		60	X-2109-059-3	VESA BRACKET (40) R ASSY (KDL-40S2010 ONLY)	
52	2-663-985-11	HOLDER, SIDE JACK (M) (KDL-26S2010/32S2010 ONLY)		61	A-1172-591-D	H3U BOARD, MOUNTED	
52	2-663-984-11	HOLDER, SIDE JACK (S) (KDL-23S2010 ONLY)		 62	1-468-980-12	G1 BOARD, COMPLETE (POWER UNIT) (KDL-23S2010/26S2010/32S2010 ONLY)	
53	A-1152-234-F	H2U BOARD, MOUNTED (ALL EXCEPT KDL-46S2010)		Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method. Data is provided for reference only.			
53	A-1194-048-B	H46 BOARD, MOUNTED (KDL-46S2010 ONLY)		* 62	A-1169-591-E	G2 BOARD, COMPLETE (KDL-40S2010 ONLY)	
54	1-910-024-83	FFC CONNECTOR ASSY (2) 49P		Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method. Data is provided for reference only.			
55	2-660-801-02	COVER, UNDER (L) (KDL-40S2010/46S2010 ONLY)		62	A-1189-958-A	G2 BOARD, COMPLETE (KDL-46S2010 ONLY)	
56	X-2109-054-3	SIDE, TERMINAL (A) (M) ASSY (KDL-32S2010/40S2010/46S2010 ONLY)		Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method. Data is provided for reference only.			
56	X-2109-051-2	SIDE, TERMINAL (A) (S) ASSY (KDL-23S2010/26S2010 ONLY)		 63	A-1211-801-A	BU BOARD, MOUNTED (SERVICE) (KDL-23S2010 ONLY)	
57	A-1164-341-B	QT BOARD, COMPLETE Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method. Data is provided for reference only. (If the tuner needs to be replaced, the complete QT Board must be ordered. It cannot be ordered separately.)		 63	A-1179-491-A	BU BOARD, MOUNTED (SERVICE) (KDL-26S2010 ONLY)	
58	A-1192-415-D	AU BOARD, COMPLETE		 63	A-1179-492-A	BU BOARD, MOUNTED (SERVICE) (KDL-32S2010 ONLY)	
59	X-2109-250-5	ARM, VESA (46) L ASSY (KDL-46S2010 ONLY)		 63	A-1179-493-A	BU BOARD, MOUNTED (SERVICE) (KDL-40S2010 ONLY)	
59	X-2109-253-2	VESA BRACKET (23) ASSY (KDL-23S2010 ONLY)		 63	A-1183-828-A	BU BOARD, MOUNTED (SERVICE) (KDL-46S2010 ONLY)	
59	X-2109-235-1	VESA BRACKET (26) ASSY (KDL-26S2010 ONLY)		64	1-910-024-84	FFC CONNECTOR ASSY 40P	
59	X-2109-236-1	VESA BRACKET (32) ASSY (KDL-32S2010 ONLY)		65	4-660-752-01	TAPE (LCD) (KDL-23S2010/26S2010/32S2010 ONLY)	
59	X-2109-058-3	VESA BRACKET (40) L ASSY (KDL-40S2010 ONLY)		66	A-1153-812-B	QS BOARD, COMPLETE Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method. Data is provided for reference only.	
60	X-2109-251-5	ARM, VESA (46) R ASSY (KDL-46S2010 ONLY)		67	A-1172-589-D	H1U BOARD, MOUNTED	
60	X-2109-253-2	VESA BRACKET (23) ASSY (KDL-23S2010 ONLY)		68	2-663-977-01	BUTTON, MULTI	
60	X-2109-595-1	VESA BRACKET (26R) ASSY (KDL-26S2010 ONLY)		69	2-663-978-02	COVER, BUTTON	

NOTE: The components identified by shading and  mark are critical for safety. Replace only with part number specified.

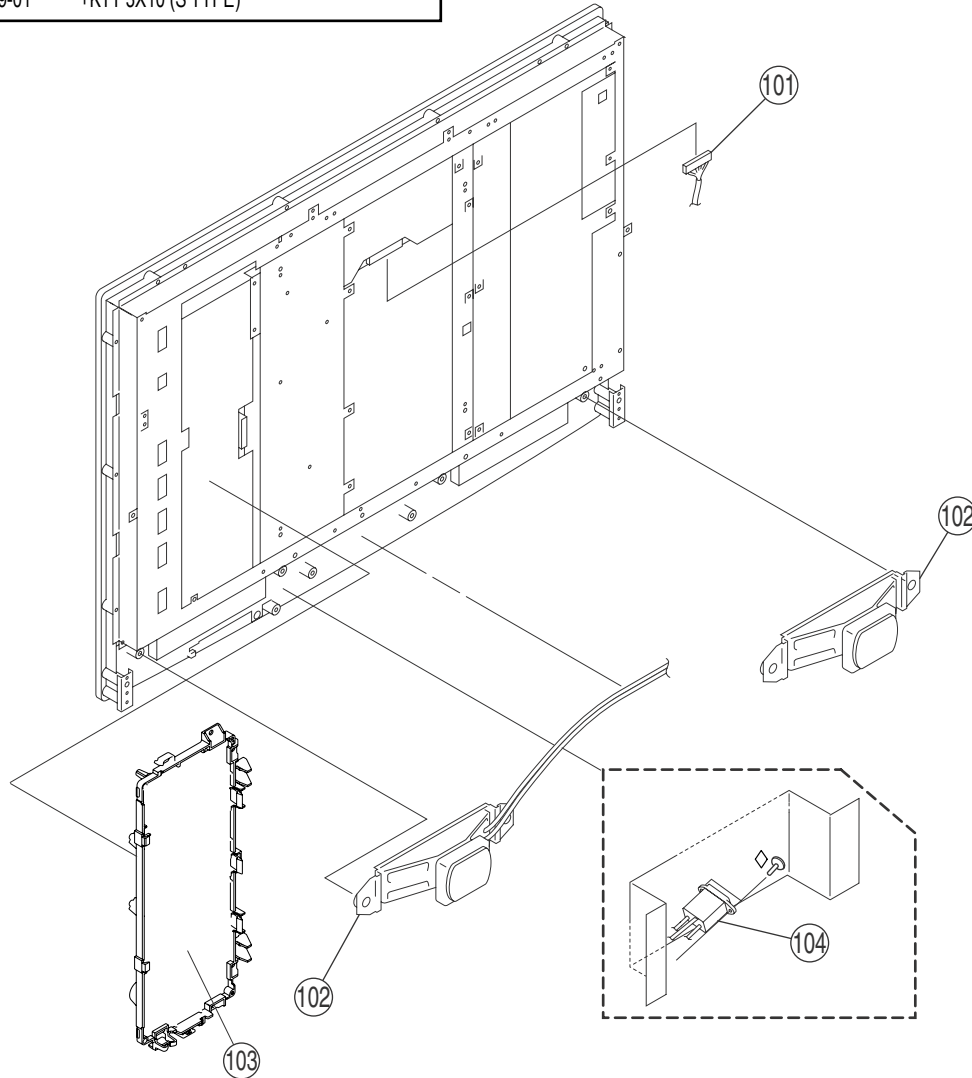
NOTE: Les composants identifiés par un trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

NOTE: The components identified by a red outline and a  mark contain confidential information. Specific instructions must be adhered to whenever these components are repaired and/or replaced. See Appendix A: Encryption Key Components in the back of this manual.

4-3. SPEAKERS

(Please review the [Sony Electronics Service Information](#) website for any additional service information.)

◇ 2-596-649-01 +KTT 3X10 (S TYPE)



REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]	REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]	
*	101	1-833-213-11	HARNESS WITH CONNECTOR (LVDS) (KDL-23S2010 ONLY)	102	1-826-363-11	LOUDSPEAKER (4.2X15CM) (KDL-26S2010/32S2010 ONLY)		
	101	1-832-468-12	HARNESS WITH CONNECTOR (LVDS) (KDL-26S2010 ONLY)	102	1-826-362-11	LOUDSPEAKER (5.5X15.5CM) (KDL-40S2010 ONLY)		
	101	1-832-469-12	HARNESS WITH CONNECTOR (LVDS) (KDL-32S2010/46S2010 ONLY)	102	1-826-435-11	LOUDSPEAKER (13X7CM) (KDL-46S2010 ONLY)		
	101	1-832-470-11	HARNESS WITH CONNECTOR (LVDS) (KDL-40S2010 ONLY)	103	X-2109-589-2	BRACKET, G1 ASSY (A) (KDL-23S2010/26S2010/32S2010 ONLY)		
	102	1-826-379-11	LOUDSPEAKER (4X11CM) (KDL-23S2010 ONLY)	103	2-664-617-01	BRACKET, G2 (KDL-40S2010/46S2010 ONLY)		
					104	1-819-729-13	INLET, AC (WITH NOISE FILTER)	

NOTE: The components identified by shading and  mark are critical for safety. Replace only with part number specified.

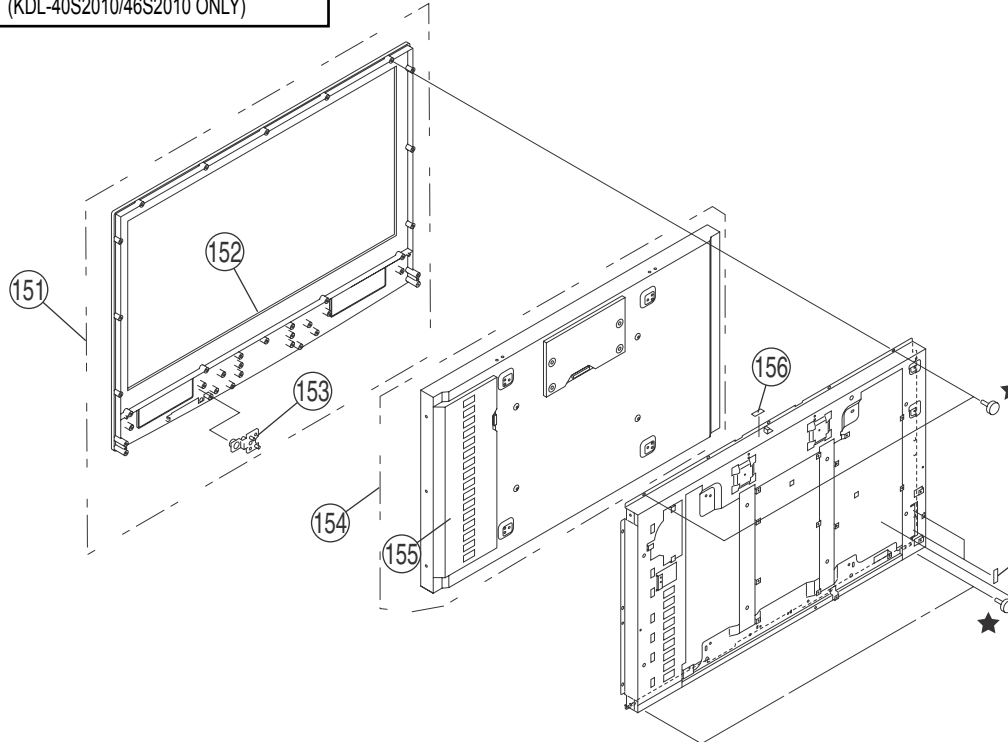
NOTE: Les composants identifiés par un trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

NOTE: The components identified by a red outline and a  mark contain confidential information. Specific instructions must be adhered to whenever these components are repaired and/or replaced. See Appendix A: Encryption Key Components in the back of this manual.

4-4. LCD PANEL

(Please review the [Sony Electronics Service Information](#) website for any additional service information.)

- ☆ 2-580-640-01 SCREW, +BVTP2 4X16
- ★ 2-580-600-01 SCREW, +PSW M4X8
(KDL-23S2010/26S2010/32S2010 ONLY)
- ★ 2-580-606-01 SCREW, +PSW M5X8
(KDL-40S2010/46S2010 ONLY)



REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]	REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
151	X-2149-644-1	BEZEL ASSY (23) (UC) (KDL-23S2010 ONLY)	[152-153]	154	1-802-060-13	LCD PANEL (32WXGA+TFT) (KDL-32S2010 ALL EXCEPT SN 4,200,001 to 4,299,999, 4,520,001 to 4,599,999, and 4,700,001 to 4,799,999 and 8,200,001 to 8,299,999, 8,500,001 to 8,599,999 and 8,200,001 to 8,299,999)	[155]
151	X-2149-645-1	BEZEL ASSY (26) (U) (KDL-26S2010 ONLY)	[152-153]	 154	1-802-261-11	LCD PANEL (32WXGA+TFT) (KDL-32S2010 SN 4,200,001 to 4,299,999, 4,520,001 to 4,599,999, and 4,700,001 to 4,799,999 and 8,200,001 to 8,299,999, 8,500,001 to 8,599,999 and 8,200,001 to 8,299,999)	[155]
151	X-2149-646-1	BEZEL ASSY (32) (UC) (KDL-32S2010 ONLY)	[152-153]	154	1-802-059-11	LCD PANEL (40WXGA+TFT) (KDL-40S2010 ONLY)	[155]
151	X-2149-647-1	BEZEL ASSY (40) (UC) (KDL-40S2010 ONLY)	[152-153]	154	1-802-100-31	LCD PANEL (46INCH WXGA+TFT) (KDL-46S2010 ONLY)	[155]
151	X-2149-648-1	BEZEL ASSY (46) (UC) (KDL-46S2010 ONLY)	[152-153]	 155	1-789-507-11	ETC-INVERTER MT BOARD (KDL-26S2010 ONLY)	
152	4-103-642-21	EMBLEM, SONY NO.8 (KDL-26S2010/32S2010 ONLY)		 155	1-789-504-11	ETC-INVERTER MT BOARD (KDL-32S2010 ONLY)	
* 153	2-664-630-01	GUIDE, LIGHT SENSOR		 155	1-789-500-11	ETC-INVERTER MT BOARD (KDL-40S2010 ONLY)	
154	1-802-062-13	LCD PANEL (23WXGA+TFT) (KDL-23S2010 ONLY)		 155	1-789-620-11	ETC-INVERTER MT BOARD (KDL-46S2010 ONLY)	
154	1-802-061-13	LCD PANEL (26WXGA+TFT) (KDL-26S2010 ALL EXCEPT SN 4,200,001 to 4,299,999, 4,500,001 to 4,599,999 and 4,700,001 to 4,799,999)	[155]	156	2-688-062-01	TAPE (LCD)	
 154	1-802-260-11	LCD PANEL (26WXGA+TFT) (KDL-26S2010 SN 4,200,001 to 4,299,999, 4,500,001 to 4,599,999 and 4,700,001 to 4,799,999)	[155]				

SECTION 5: ELECTRICAL PARTS LIST

NOTE: The components identified by shading and  mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifiés par un trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

* Items marked with an asterisk are not stocked since they are seldom required for routine service. Expect some delay when ordering these components.

NOTE: The components identified by a red outline and a  mark contain confidential information. Specific instructions must be adhered to whenever these components are repaired and/or replaced.
See Appendix A: Encryption Key Components in the back of this manual.

RESISTORS

- All resistors are in ohms
- F : nonflammable
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.



When ordering parts by reference number, please include the board name.

REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES			
 * A-1192-415-D AU BOARD, COMPLETE CAPACITOR	C2013	1-127-715-91	CERAMIC CHIP	0.22μF	10%	16V	C6027	1-117-681-11	ELECT CHIP	100μF	20%	16V
	C2015	1-117-681-11	ELECT CHIP	100μF	20%	16V	C7004	1-162-906-11	CERAMIC CHIP	1.5pF	0.25pF	50V
	C2016	1-127-573-11	CERAMIC CHIP	1μF	10%	16V	C7005	1-162-906-11	CERAMIC CHIP	1.5pF	0.25pF	50V
	C2017	1-127-573-11	CERAMIC CHIP	1μF	10%	16V	C7010	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
	C2018	1-127-715-91	CERAMIC CHIP	0.22μF	10%	16V	C7011	1-126-396-11	ELECT CHIP	47μF	20%	16V
	C2019	1-124-779-00	ELECT CHIP	10μF	20%	16V	C7014	1-162-962-11	CERAMIC CHIP	470pF	10%	50V
	C2020	1-127-715-91	CERAMIC CHIP	0.22μF	10%	16V	C7015	1-162-960-11	CERAMIC CHIP	220pF	10%	50V
	C2021	1-127-715-91	CERAMIC CHIP	0.22μF	10%	16V	C7019	1-126-394-11	ELECT CHIP	10μF	20%	16V
	C2023	1-117-681-11	ELECT CHIP	100μF	20%	16V	C7020	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
	C2024	1-127-573-11	CERAMIC CHIP	1μF	10%	16V	C7021	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
	C2025	1-127-573-11	CERAMIC CHIP	1μF	10%	16V	C7023	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
	C2026	1-125-889-91	CERAMIC CHIP	2.2μF	10%	10V	C7024	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
	C6001	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C7025	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
	C6003	1-117-681-11	ELECT CHIP	100μF	20%	16V	C7027	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
	C6005	1-164-227-11	CERAMIC CHIP	0.022μF	10%	25V	C7028	1-126-396-11	ELECT CHIP	47μF	20%	16V
	C6006	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C7029	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
	C6009	1-100-743-91	CERAMIC CHIP	2.2μF	20%	16V	C7030	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
	C6011	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C7033	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
	C6014	1-162-968-11	CERAMIC CHIP	0.0047μF	10%	50V	C7034	1-124-779-00	ELECT CHIP	10μF	20%	16V
	C6015	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C7035	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
	C6016	1-164-227-11	CERAMIC CHIP	0.022μF	10%	25V	C7036	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
	C6017	1-126-204-11	ELECT CHIP	47μF	20%	16V	C7037	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
	C6018	1-100-743-91	CERAMIC CHIP	2.2μF	20%	16V	C7038	1-126-394-11	ELECT CHIP	10μF	20%	16V
	C6019	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V	C7039	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
	C6020	1-127-715-91	CERAMIC CHIP	0.22μF	10%	16V	C7040	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
	C6022	1-127-760-11	CERAMIC CHIP	4.7μF	10%	6.3V	C7042	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
	C6023	1-128-995-21	ELECT CHIP	100μF	20%	10V	C7043	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
	C6024	1-115-416-11	CERAMIC CHIP	0.001μF	5%	25V	C7044	1-126-204-11	ELECT CHIP	47μF	20%	16V
	C6025	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C7045	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
	C6026	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C7046	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
							C7047	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
							C7048	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
						C7051	1-127-573-11	CERAMIC CHIP	1μF	10%	16V	
						C7052	1-127-573-11	CERAMIC CHIP	1μF	10%	16V	
						C7053	1-126-394-11	ELECT CHIP	10μF	20%	16V	



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C7054	1-126-394-11	ELECT CHIP	10μF	20%	16V	C7114	1-112-800-11	ELECT CHIP	100μF	20%	35V
C7055	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C7115	1-112-800-11	ELECT CHIP	100μF	20%	35V
C7056	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V	C7116	1-112-800-11	ELECT CHIP	100μF	20%	35V
C7057	1-126-396-11	ELECT CHIP	47μF	20%	16V	C7117	1-112-800-11	ELECT CHIP	100μF	20%	35V
C7060	1-115-416-11	CERAMIC CHIP	0.001μF	5%	25V	C7118	1-100-912-11	CERAMIC CHIP	1μF	10%	25V
C7061	1-115-416-11	CERAMIC CHIP	0.001μF	5%	25V	C7119	1-100-912-11	CERAMIC CHIP	1μF	10%	25V
C7062	1-115-416-11	CERAMIC CHIP	0.001μF	5%	25V	C7120	1-100-912-11	CERAMIC CHIP	1μF	10%	25V
C7063	1-115-416-11	CERAMIC CHIP	0.001μF	5%	25V	C7121	1-100-912-11	CERAMIC CHIP	1μF	10%	25V
C7064	1-115-416-11	CERAMIC CHIP	0.001μF	5%	25V	C7123	1-125-827-91	CERAMIC CHIP	1μF	10%	25V
C7065	1-115-416-11	CERAMIC CHIP	0.001μF	5%	25V	C7124	1-125-827-91	CERAMIC CHIP	1μF	10%	25V
C7072	1-128-536-11	ELECT CHIP	100μF	20%	25V	C7125	1-125-827-91	CERAMIC CHIP	1μF	10%	25V
C7073	1-126-396-11	ELECT CHIP	47μF	20%	16V	C7126	1-125-827-91	CERAMIC CHIP	1μF	10%	25V
C7075	1-100-912-11	CERAMIC CHIP	1μF	10%	25V	C7127	1-100-591-91	CERAMIC CHIP	1μF	10%	25V
C7076	1-100-912-11	CERAMIC CHIP	1μF	10%	25V	C7128	1-100-591-91	CERAMIC CHIP	1μF	10%	25V
C7082	1-115-416-11	CERAMIC CHIP	0.001μF	5%	25V	C7147	1-100-591-91	CERAMIC CHIP	1μF	10%	25V
C7083	1-115-340-11	CERAMIC CHIP	0.22μF	10%	25V	C7148	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C7086	1-100-912-11	CERAMIC CHIP	1μF	10%	25V	C7600	1-124-779-00	ELECT CHIP	10μF	20%	16V
C7087	1-100-912-11	CERAMIC CHIP	1μF	10%	25V	C7601	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C7088	1-126-394-11	ELECT CHIP	10μF	20%	16V	C7602	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C7089	1-126-394-11	ELECT CHIP	10μF	20%	16V	C7603	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
C7090	1-126-394-11	ELECT CHIP	10μF	20%	16V	C7604	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
C7091	1-126-394-11	ELECT CHIP	10μF	20%	16V	C7605	1-126-204-11	ELECT CHIP	47μF	20%	16V
C7092	1-162-965-11	CERAMIC CHIP	0.0015μF	10%	50V	C7609	1-126-394-11	ELECT CHIP	10μF	20%	16V
C7093	1-164-217-11	CERAMIC CHIP	150pF	5%	50V	C7610	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C7094	1-164-217-11	CERAMIC CHIP	150pF	5%	50V	C7611	1-124-779-00	ELECT CHIP	10μF	20%	16V
C7095	1-162-965-11	CERAMIC CHIP	0.0015μF	10%	50V	C7612	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C7096	1-162-965-11	CERAMIC CHIP	0.0015μF	10%	50V	C7613	1-124-779-00	ELECT CHIP	10μF	20%	16V
C7097	1-164-217-11	CERAMIC CHIP	150pF	5%	50V	C7614	1-124-779-00	ELECT CHIP	10μF	20%	16V
C7098	1-164-217-11	CERAMIC CHIP	150pF	5%	50V	C7615	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C7099	1-162-965-11	CERAMIC CHIP	0.0015μF	10%	50V	C7616	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C7100	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V	C7617	1-126-396-11	ELECT CHIP	47μF	20%	16V
C7101	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V	C7618	1-126-396-11	ELECT CHIP	47μF	20%	16V
C7102	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V	C7619	1-100-597-91	CERAMIC CHIP	0.1μF	10%	25V
C7103	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V	C9005	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
C7104	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V	C9006	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
C7105	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V	C9007	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
C7106	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V	C9008	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
C7107	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V	C9014	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
C7108	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V	C9015	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
C7109	1-162-959-11	CERAMIC CHIP	330pF	5%	50V	C9016	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
C7110	1-162-959-11	CERAMIC CHIP	330pF	5%	50V	C9019	1-125-889-91	CERAMIC CHIP	2.2μF	10%	10V
C7111	1-162-959-11	CERAMIC CHIP	330pF	5%	50V	C9020	1-125-889-91	CERAMIC CHIP	2.2μF	10%	10V
C7112	1-162-959-11	CERAMIC CHIP	330pF	5%	50V	C9021	1-125-889-91	CERAMIC CHIP	2.2μF	10%	10V
C7113	1-112-797-11	ELECT CHIP	470μF	20%	25V	C9022	1-125-889-91	CERAMIC CHIP	2.2μF	10%	10V



REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
C9023	1-127-573-11	CERAMIC CHIP	1μF 10% 16V	D9001	8-719-423-03	DIODE	MA8100
C9024	1-127-573-11	CERAMIC CHIP	1μF 10% 16V	D9002	8-719-423-03	DIODE	MA8100
C9032	1-115-416-11	CERAMIC CHIP	0.001μF 5% 25V	D9003	8-719-423-03	DIODE	MA8100
C9501	1-115-416-11	CERAMIC CHIP	0.001μF 5% 25V	D9004	8-719-423-03	DIODE	MA8100
C9502	1-115-416-11	CERAMIC CHIP	0.001μF 5% 25V	D9008	8-719-423-03	DIODE	MA8100
C9505	1-127-715-91	CERAMIC CHIP	0.22μF 10% 16V	D9009	8-719-423-03	DIODE	MA8100
C9506	1-127-715-91	CERAMIC CHIP	0.22μF 10% 16V	D9012	8-719-423-03	DIODE	MA8100
C9507	1-127-715-91	CERAMIC CHIP	0.22μF 10% 16V	D9013	8-719-423-03	DIODE	MA8100
C9508	1-127-715-91	CERAMIC CHIP	0.22μF 10% 16V	D9014	8-719-423-03	DIODE	MA8100
C9509	1-127-715-91	CERAMIC CHIP	0.22μF 10% 16V	D9015	8-719-423-03	DIODE	MA8100
C9510	1-127-715-91	CERAMIC CHIP	0.22μF 10% 16V	D9016	8-719-423-03	DIODE	MA8100
C9511	1-127-715-91	CERAMIC CHIP	0.22μF 10% 16V	D9017	8-719-423-03	DIODE	MA8100
C9512	1-115-416-11	CERAMIC CHIP	0.001μF 5% 25V	D9018	8-719-423-03	DIODE	MA8100
CONNECTOR				FERRITE BEAD			
CN7000	1-819-461-11	HEADER ASSEMBLY FOR PWB		FB7000	1-400-089-21	FERRITE	0μH
CN7001	1-780-148-11	CLIP, SHIELD		FB7001	1-400-089-21	FERRITE	0μH
CN7002	1-780-148-11	CLIP, SHIELD		FB7002	1-400-089-21	FERRITE	0μH
CN7501	1-820-184-11	HEADER ASSEMBLY (PRINT PWB)		FB7003	1-400-089-21	FERRITE	0μH
CN7502	1-820-185-11	HEADER ASSEMBLY (PRINT PWB)		FB7004	1-400-040-22	FERRITE	0μH
CN7503	1-820-211-11	HEADER ASSEMBLY FOR PWB		FB7005	1-400-040-22	FERRITE	0μH
CN9001	1-820-192-11	HEADER ASSEMBLY (PRINT PWB)	15P	FB7006	1-400-040-22	FERRITE	0μH
CN9501	1-819-390-51	FFC/FPC CONNECTOR (ZIF)	49P	FB7007	1-400-040-22	FERRITE	0μH
CN9502	1-820-186-11	HEADER ASSEMBLY (PRINT PWB)		FB7008	1-400-040-22	FERRITE	0μH
CN9521	1-780-336-11	EARTH TERMINAL		FB9003	1-216-864-11	SHORT CHIP	
CN9522	1-780-336-11	EARTH TERMINAL		FB9100	1-400-089-21	FERRITE	0μH
CN9523	1-780-336-11	EARTH TERMINAL		FB9101	1-216-295-91	SHORT CHIP	
DIODE				IC			
D6001	8-719-058-24	DIODE	RB501V-40TE-17	IC2001	8-752-089-33	IC	CXA2069Q-TL
D7001	8-719-423-17	DIODE	MA8110	IC7001	6-709-040-11	IC	MAP4400A-QA-B2-501-T
D7004	8-719-050-37	DIODE	M1MA152WA-T1	IC7003	8-759-278-58	IC	NJM4558V-TE2
D7005	8-719-404-50	DIODE	MA111-TX	IC7007	6-709-285-01	IC	M61571AFP-DF0T
D7006	8-719-404-50	DIODE	MA111-TX	IC7601	8-759-278-58	IC	NJM4558V-TE2
D7007	8-719-404-50	DIODE	MA111-TX	IC7602	8-759-359-49	IC	NJM3414AV(Te2)
D7009	6-500-884-01	DIODE	P6SMBJ30A-5	JACK			
D7010	6-500-884-01	DIODE	P6SMBJ30A-5	J9001	1-780-271-11	S CONNECTOR BLOCK	
D7011	6-500-884-01	DIODE	P6SMBJ30A-5	J9002	1-819-357-11	PHONO JACK	10P
D7012	6-500-884-01	DIODE	P6SMBJ30A-5	J9003	1-780-373-11	TERMINAL BOARD	
D7013	8-719-404-50	DIODE	MA111-TX	COIL			
D7602	8-719-050-37	DIODE	M1MA152WA-T1	L2002	1-469-557-21	INDUCTOR	22μH
D7603	8-719-050-37	DIODE	M1MA152WA-T1	L2003	1-469-555-21	INDUCTOR	10μH
D7604	8-719-404-50	DIODE	MA111-TX	L6001	1-469-555-21	INDUCTOR	10μH
D7605	8-719-404-50	DIODE	MA111-TX				

NOTE: The components identified by shading and  mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifiés par un trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
L7002	1-400-794-21	FERRITE	0μH	Q7018	8-729-120-28	TRANSISTOR	2SC1623-L5L6
L7004	1-400-794-21	FERRITE	0μH	Q7019	8-729-029-14	TRANSISTOR	DTC144EUA-T106
L7005	1-469-555-21	INDUCTOR	10μH	Q7020	8-729-029-14	TRANSISTOR	DTC144EUA-T106
L7006	1-400-794-21	FERRITE	0μH	Q7021	8-729-028-96	TRANSISTOR	DTC114EUA-T106
L7007	1-469-555-21	INDUCTOR	10μH	Q7022	8-729-028-96	TRANSISTOR	DTC114EUA-T106
L7008	1-481-083-11	INDUCTOR	22μH	Q7602	8-729-600-22	TRANSISTOR	2SA1235-F
L7009	1-457-106-11	INDUCTOR	10μH	Q7603	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16
L7010	1-457-106-11	INDUCTOR	10μH	Q7604	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16
L7011	1-216-864-11	SHORT CHIP		Q7605	8-729-120-28	TRANSISTOR	2SC1623-L5L6
L7012	1-400-794-21	FERRITE	0μH	Q7606	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16
L7013	1-400-794-21	FERRITE	0μH	Q7607	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16
L9503	1-400-178-21	FERRITE	0μH	Q7608	8-729-029-14	TRANSISTOR	DTC144EUA-T106
L9504	1-400-178-21	FERRITE	0μH	Q7609	8-729-600-22	TRANSISTOR	2SA1235-F
L9505	1-400-178-21	FERRITE	0μH	Q7610	8-729-120-28	TRANSISTOR	2SC1623-L5L6
L9606	1-216-295-91	SHORT CHIP		Q7611	8-729-029-14	TRANSISTOR	DTC144EUA-T106
IC LINK				RESISTOR			
 PS7001	1-576-958-21	FUSE	4A 24V	R2006	1-216-809-11	METAL CHIP	100 5% 1/10W
TRANSISTOR				R2007	1-216-809-11	METAL CHIP	100 5% 1/10W
Q2001	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R2014	1-216-864-11	SHORT CHIP	
Q2002	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R2015	1-216-864-11	SHORT CHIP	
Q6001	8-729-600-22	TRANSISTOR	2SA1235-F	R2017	1-216-864-11	SHORT CHIP	
Q6002	8-729-600-22	TRANSISTOR	2SA1235-F	R2019	1-216-809-11	METAL CHIP	100 5% 1/10W
Q6004	8-729-600-22	TRANSISTOR	2SA1235-F	R2020	1-216-809-11	METAL CHIP	100 5% 1/10W
Q6005	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R2023	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q6007	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R2024	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q6008	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R2027	1-216-864-11	SHORT CHIP	
Q6009	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R2028	1-216-864-11	SHORT CHIP	
Q6011	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R2030	1-216-809-11	METAL CHIP	100 5% 1/10W
Q6012	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R2033	1-216-864-11	SHORT CHIP	
Q6013	8-729-600-22	TRANSISTOR	2SA1235-F	R2034	1-216-864-11	SHORT CHIP	
Q7002	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R2037	1-216-817-11	METAL CHIP	470 5% 1/10W
Q7005	8-729-600-22	TRANSISTOR	2SA1235-F	R2038	1-216-817-11	METAL CHIP	470 5% 1/10W
Q7007	8-729-029-14	TRANSISTOR	DTC144EUA-T106	R2039	1-216-864-11	SHORT CHIP	
Q7008	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R6001	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
Q7009	8-729-600-22	TRANSISTOR	2SA1235-F	R6002	1-216-809-11	METAL CHIP	100 5% 1/10W
Q7010	8-729-029-14	TRANSISTOR	DTC144EUA-T106	R6003	1-216-864-11	SHORT CHIP	
Q7011	8-729-029-14	TRANSISTOR	DTC144EUA-T106	R6004	1-218-855-11	METAL CHIP	2.2K 0.50% 1/10W
Q7012	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16	R6007	1-218-887-11	METAL CHIP	47K 0.50% 1/10W
Q7013	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16	R6008	1-218-879-11	METAL CHIP	22K 0.50% 1/10W
Q7014	8-729-600-22	TRANSISTOR	2SA1235-F	R6009	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
Q7015	8-729-600-22	TRANSISTOR	2SA1235-F	R6012	1-216-817-11	METAL CHIP	470 5% 1/10W
Q7016	8-729-600-22	TRANSISTOR	2SA1235-F	R6013	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
Q7017	8-729-600-22	TRANSISTOR	2SA1235-F	R6014	1-218-889-11	METAL CHIP	56K 0.50% 1/10W



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R6017	1-216-857-11	METAL CHIP	1M	5%	1/10W	R7061	1-218-871-11	METAL CHIP	10K	0.50%	1/10W
R6020	1-218-871-11	METAL CHIP	10K	0.50%	1/10W	R7062	1-218-869-11	METAL CHIP	8.2K	0.50%	1/10W
R6021	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R7063	1-218-869-11	METAL CHIP	8.2K	0.50%	1/10W
R6023	1-216-821-11	METAL CHIP	1K	5%	1/10W	R7064	1-218-871-11	METAL CHIP	10K	0.50%	1/10W
R6025	1-218-857-11	METAL CHIP	2.7K	0.50%	1/10W	R7066	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R6026	1-216-821-11	METAL CHIP	1K	5%	1/10W	R7067	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6028	1-218-861-11	METAL CHIP	3.9K	0.50%	1/10W	R7087	1-216-857-11	METAL CHIP	1M	5%	1/10W
R6029	1-218-861-11	METAL CHIP	3.9K	0.50%	1/10W	R7088	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6030	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R7093	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6032	1-216-857-11	METAL CHIP	1M	5%	1/10W	R7101	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6033	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R7102	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6034	1-216-864-11	SHORT CHIP				R7103	1-218-865-11	METAL CHIP	5.6K	0.50%	1/10W
R6037	1-216-821-11	METAL CHIP	1K	5%	1/10W	R7111	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6039	1-216-815-11	METAL CHIP	330	5%	1/10W	R7112	1-216-864-11	SHORT CHIP			
R6040	1-216-864-11	SHORT CHIP				R7113	1-218-887-11	METAL CHIP	47K	0.50%	1/10W
R6051	1-216-857-11	METAL CHIP	1M	5%	1/10W	R7114	1-218-855-11	METAL CHIP	2.2K	0.50%	1/10W
R6052	1-216-809-11	METAL CHIP	100	5%	1/10W	R7115	1-218-887-11	METAL CHIP	47K	0.50%	1/10W
R7004	1-216-841-11	METAL CHIP	47K	5%	1/10W	R7116	1-218-855-11	METAL CHIP	2.2K	0.50%	1/10W
R7011	1-216-845-11	METAL CHIP	100K	5%	1/10W	R7117	1-216-833-11	METAL CHIP	10K	5%	1/10W
R7012	1-216-864-11	SHORT CHIP				R7118	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R7014	1-216-841-11	METAL CHIP	47K	5%	1/10W	R7119	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R7015	1-216-841-11	METAL CHIP	47K	5%	1/10W	R7120	1-216-864-11	SHORT CHIP			
R7017	1-216-833-11	METAL CHIP	10K	5%	1/10W	R7122	1-216-864-11	SHORT CHIP			
R7018	1-216-864-11	SHORT CHIP				R7124	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R7019	1-216-864-11	SHORT CHIP				R7125	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R7020	1-216-841-11	METAL CHIP	47K	5%	1/10W	R7126	1-218-871-11	METAL CHIP	10K	0.50%	1/10W
R7031	1-218-863-11	METAL CHIP	4.7K	0.50%	1/10W	R7127	1-218-879-11	METAL CHIP	22K	0.50%	1/10W
R7032	1-218-875-11	METAL CHIP	15K	0.50%	1/10W	R7128	1-218-901-11	METAL CHIP	180K	0.50%	1/10W
R7033	1-218-863-11	METAL CHIP	4.7K	0.50%	1/10W	R7129	1-218-871-11	METAL CHIP	10K	0.50%	1/10W
R7034	1-218-875-11	METAL CHIP	15K	0.50%	1/10W	R7130	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R7035	1-216-845-11	METAL CHIP	100K	5%	1/10W	R7131	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R7037	1-216-833-11	METAL CHIP	10K	5%	1/10W	R7132	1-218-895-11	METAL CHIP	100K	0.50%	1/10W
R7039	1-218-873-11	METAL CHIP	12K	0.50%	1/10W	R7133	1-218-895-11	METAL CHIP	100K	0.50%	1/10W
R7040	1-218-875-11	METAL CHIP	15K	0.50%	1/10W	R7134	1-216-296-11	SHORT CHIP			
R7041	1-216-833-11	METAL CHIP	10K	5%	1/10W	R7135	1-216-296-11	SHORT CHIP			
R7045	1-216-833-11	METAL CHIP	10K	5%	1/10W	R7136	1-216-296-11	SHORT CHIP			
R7047	1-216-833-11	METAL CHIP	10K	5%	1/10W	R7137	1-216-296-11	SHORT CHIP			
R7049	1-216-841-11	METAL CHIP	47K	5%	1/10W	R7138	1-216-800-11	METAL CHIP	18	5%	1/10W
R7050	1-218-863-11	METAL CHIP	4.7K	0.50%	1/10W	R7139	1-216-800-11	METAL CHIP	18	5%	1/10W
R7054	1-216-841-11	METAL CHIP	47K	5%	1/10W	R7140	1-216-800-11	METAL CHIP	18	5%	1/10W
R7055	1-216-845-11	METAL CHIP	100K	5%	1/10W	R7141	1-216-800-11	METAL CHIP	18	5%	1/10W
R7056	1-218-863-11	METAL CHIP	4.7K	0.50%	1/10W	R7142	1-216-845-11	METAL CHIP	100K	5%	1/10W
R7057	1-218-875-11	METAL CHIP	15K	0.50%	1/10W	R7143	1-216-845-11	METAL CHIP	100K	5%	1/10W
R7059	1-218-875-11	METAL CHIP	15K	0.50%	1/10W	R7144	1-216-845-11	METAL CHIP	100K	5%	1/10W



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R7145	1-216-845-11	METAL CHIP	100K	5%	1/10W	R7651	1-216-864-11	SHORT CHIP			
R7146	1-216-845-11	METAL CHIP	100K	5%	1/10W	R7652	1-216-864-11	SHORT CHIP			
R7147	1-216-845-11	METAL CHIP	100K	5%	1/10W	R7653	1-216-864-11	SHORT CHIP			
R7152	1-216-833-11	METAL CHIP	10K	5%	1/10W	R7654	1-216-841-11	METAL CHIP	47K	5%	1/10W
R7153	1-216-845-11	METAL CHIP	100K	5%	1/10W	R7655	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R7154	1-216-845-11	METAL CHIP	100K	5%	1/10W	R7656	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R7155	1-216-864-11	SHORT CHIP				R7657	1-216-837-11	METAL CHIP	22K	5%	1/10W
R7156	1-216-841-11	METAL CHIP	47K	5%	1/10W	R7658	1-216-857-11	METAL CHIP	1M	5%	1/10W
R7158	1-216-833-11	METAL CHIP	10K	5%	1/10W	R7659	1-216-833-11	METAL CHIP	10K	5%	1/10W
R7501	1-414-445-11	FERRITE	0μH			R7660	1-216-841-11	METAL CHIP	47K	5%	1/10W
R7503	1-216-864-11	SHORT CHIP				R7661	1-216-864-11	SHORT CHIP			
R7504	1-216-864-11	SHORT CHIP				R7662	1-216-841-11	METAL CHIP	47K	5%	1/10W
R7600	1-216-864-11	SHORT CHIP				R7663	1-216-833-11	METAL CHIP	10K	5%	1/10W
R7601	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R7682	1-216-864-11	SHORT CHIP			
R7602	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R7683	1-216-864-11	SHORT CHIP			
R7603	1-218-873-11	METAL CHIP	12K	0.50%	1/10W	R7684	1-216-864-11	SHORT CHIP			
R7604	1-218-875-11	METAL CHIP	15K	0.50%	1/10W	R9004	1-216-853-11	METAL CHIP	470K	5%	1/10W
R7605	1-216-841-11	METAL CHIP	47K	5%	1/10W	R9005	1-216-853-11	METAL CHIP	470K	5%	1/10W
R7606	1-216-841-11	METAL CHIP	47K	5%	1/10W	R9006	1-216-853-11	METAL CHIP	470K	5%	1/10W
R7614	1-216-833-11	METAL CHIP	10K	5%	1/10W	R9007	1-216-853-11	METAL CHIP	470K	5%	1/10W
R7615	1-218-873-11	METAL CHIP	12K	0.50%	1/10W	R9008	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7620	1-218-871-11	METAL CHIP	10K	0.50%	1/10W	R9009	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7621	1-218-863-11	METAL CHIP	4.7K	0.50%	1/10W	R9010	1-216-864-11	SHORT CHIP			
R7622	1-218-863-11	METAL CHIP	4.7K	0.50%	1/10W	R9011	1-216-864-11	SHORT CHIP			
R7623	1-218-871-11	METAL CHIP	10K	0.50%	1/10W	R9012	1-216-864-11	SHORT CHIP			
R7626	1-216-845-11	METAL CHIP	100K	5%	1/10W	R9013	1-216-864-11	SHORT CHIP			
R7627	1-216-845-11	METAL CHIP	100K	5%	1/10W	R9014	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7628	1-216-844-11	METAL CHIP	82K	5%	1/10W	R9015	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7629	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R9016	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7630	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R9017	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7631	1-216-844-11	METAL CHIP	82K	5%	1/10W	R9018	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7632	1-218-887-11	METAL CHIP	47K	0.50%	1/10W	R9019	1-216-853-11	METAL CHIP	470K	5%	1/10W
R7633	1-218-887-11	METAL CHIP	47K	0.50%	1/10W	R9020	1-216-853-11	METAL CHIP	470K	5%	1/10W
R7634	1-218-855-11	METAL CHIP	2.2K	0.50%	1/10W	R9021	1-216-853-11	METAL CHIP	470K	5%	1/10W
R7635	1-218-855-11	METAL CHIP	2.2K	0.50%	1/10W	R9022	1-216-853-11	METAL CHIP	470K	5%	1/10W
R7636	1-216-837-11	METAL CHIP	22K	5%	1/10W	R9023	1-216-864-11	SHORT CHIP			
R7637	1-216-857-11	METAL CHIP	1M	5%	1/10W	R9024	1-216-864-11	SHORT CHIP			
R7639	1-216-845-11	METAL CHIP	100K	5%	1/10W	R9025	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7641	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R9026	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7642	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R9027	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7643	1-216-845-11	METAL CHIP	100K	5%	1/10W	R9028	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7644	1-216-813-11	METAL CHIP	220	5%	1/10W	R9029	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R7646	1-216-813-11	METAL CHIP	220	5%	1/10W	R9030	1-216-864-11	SHORT CHIP			
R7650	1-216-841-11	METAL CHIP	47K	5%	1/10W	R9031	1-216-864-11	SHORT CHIP			



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R9032	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R9154	1-216-864-11	SHORT CHIP			
R9033	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R9155	1-216-864-11	SHORT CHIP			
R9034	1-216-801-11	METAL CHIP	22	5%	1/10W	R9156	1-216-864-11	SHORT CHIP			
R9035	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R9157	1-216-864-11	SHORT CHIP			
R9036	1-216-801-11	METAL CHIP	22	5%	1/10W	R9158	1-216-864-11	SHORT CHIP			
R9037	1-216-801-11	METAL CHIP	22	5%	1/10W	R9333	1-216-864-11	SHORT CHIP			
R9038	1-216-801-11	METAL CHIP	22	5%	1/10W	R9334	1-216-864-11	SHORT CHIP			
R9039	1-218-285-11	METAL CHIP	75	5%	1/10W	R9501	1-216-864-11	SHORT CHIP			
R9040	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R9502	1-216-864-11	SHORT CHIP			
R9041	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R9506	1-218-885-11	METAL CHIP	39K	0.50%	1/10W
R9042	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R9542	1-216-864-11	SHORT CHIP			
R9043	1-216-801-11	METAL CHIP	22	5%	1/10W						
R9044	1-216-801-11	METAL CHIP	22	5%	1/10W						
R9045	1-216-864-11	SHORT CHIP									
R9046	1-216-864-11	SHORT CHIP									
R9057	1-216-809-11	METAL CHIP	100	5%	1/10W						
R9058	1-216-809-11	METAL CHIP	100	5%	1/10W						
R9059	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R9060	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R9061	1-216-809-11	METAL CHIP	100	5%	1/10W						
R9062	1-218-831-11	METAL CHIP	220	0.50%	1/10W						
R9063	1-218-831-11	METAL CHIP	220	0.50%	1/10W						
R9064	1-218-831-11	METAL CHIP	220	0.50%	1/10W						
R9065	1-218-831-11	METAL CHIP	220	0.50%	1/10W						
R9066	1-218-831-11	METAL CHIP	220	0.50%	1/10W						
R9067	1-218-831-11	METAL CHIP	220	0.50%	1/10W						
R9068	1-218-831-11	METAL CHIP	220	0.50%	1/10W						
R9069	1-218-831-11	METAL CHIP	220	0.50%	1/10W						
R9070	1-218-831-11	METAL CHIP	220	0.50%	1/10W						
R9078	1-216-809-11	METAL CHIP	100	5%	1/10W						
R9088	1-216-849-11	METAL CHIP	220K	5%	1/10W						
R9089	1-216-849-11	METAL CHIP	220K	5%	1/10W						
R9095	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R9096	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R9097	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R9098	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R9099	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R9100	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R9101	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R9102	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R9150	1-216-864-11	SHORT CHIP									
R9151	1-216-864-11	SHORT CHIP									
R9152	1-216-864-11	SHORT CHIP									
R9153	1-216-864-11	SHORT CHIP									

VARISTOR

VD9025	1-802-082-11	VARISTOR	(SMD)
VD9026	1-802-082-11	VARISTOR	(SMD)
VD9400	1-804-988-21	VARISTOR, CHIP	(1608)
VD9401	1-804-988-21	VARISTOR, CHIP	(1608)
VD9402	1-804-988-21	VARISTOR, CHIP	(1608)
VD9403	1-804-988-21	VARISTOR, CHIP	(1608)
VD9404	1-804-988-21	VARISTOR, CHIP	(1608)
VD9405	1-804-988-21	VARISTOR, CHIP	(1608)

CRYSTAL

X7000	1-795-612-11	VIBRATOR, CRYSTAL	
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NOTE: The components identified by a red outline and a  mark contain confidential information. Specific instructions must be adhered to whenever these components are repaired and/or replaced.

See Appendix A: Encryption Key Components in the back of this manual.



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES					
  A-1211-801-A BU MOUNT (SERVICE) (KDL-23S2010 ONLY)  A-1179-491-A BU MOUNT (SERVICE) (KDL-26S2010 ONLY)  A-1179-492-A BU MOUNT (SERVICE) (KDL-32S2010 ONLY)  A-1179-493-A BU MOUNT (SERVICE) (KDL-40S2010 ONLY)  A-1183-828-A BU MOUNT (SERVICE) (KDL-46S2010 ONLY)						C1054	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V			
						C1056	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V			
						C1057	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V			
						C1060	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V			
						C1061	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V			
						C1062	1-126-394-11	ELECT CHIP	10μF	20%	16V			
						C1063	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V			
						C1066	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V			
						C1067	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V			
						C1068	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V			
						C1069	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V			
						C1070	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V			
						C1071	1-162-927-11	CERAMIC CHIP	100pF	5%	50V			
						C1072	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V			
						C1073	1-126-390-11	ELECT CHIP	22μF	20%	6.3V			
						C1074	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V			
						C1075	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V			
						C1076	1-165-908-11	CERAMIC CHIP	1μF	10%	10V			
						C1079	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V			
						C1080	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V			
						C1081	1-126-391-11	ELECT CHIP	47μF	20%	6.3V			
						C1082	1-126-394-11	ELECT CHIP	10μF	20%	16V			
						C1083	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V			
						C1084	1-115-416-11	CERAMIC CHIP	0.001μF	5%	25V			
						C1087	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V			
						C1091	1-126-396-11	ELECT CHIP	47μF	20%	16V			
						C1092	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V			
						C1093	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V			
						C1094	1-117-681-11	ELECT CHIP	100μF	20%	16V			
						C1100	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V			
						C1110	1-125-777-11	CERAMIC CHIP	0.1μF	10%	10V			
						C1701	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V			
						C4700	1-117-681-11	ELECT CHIP	100μF	20%	16V			
						C4701	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V			
						C4702	1-162-927-11	CERAMIC CHIP	100pF	5%	50V			
						C5000	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V			
						C5002	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V			
						C5003	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V			
						C5005	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V			
						C5006	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V			
						C5007	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V			
						C5009	1-162-905-11	CERAMIC CHIP	1pF	0.25pF	50V			
						C5010	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V			
						C5011	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V			

CONTACT TERMINAL

A5001 1-694-974-21 CONTACT TERMINAL

CAPACITOR

C1003	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C1004	1-162-974-11	CERAMIC CHIP	0.01μF		50V
C1005	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C1006	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C1007	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C1010	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C1011	1-126-206-11	ELECT CHIP	100μF	20%	6.3V
C1012	1-100-591-91	CERAMIC CHIP	1μF	10%	25V
C1015	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C1016	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C1017	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C1018	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C1019	1-162-912-11	CERAMIC CHIP	7pF	0.50pF	50V
C1022	1-126-392-11	ELECT CHIP	100μF	20%	6.3V
C1023	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C1024	1-126-392-11	ELECT CHIP	100μF	20%	6.3V
C1027	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C1029	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C1033	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C1035	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C1036	1-165-908-11	CERAMIC CHIP	1μF	10%	10V
C1044	1-100-591-91	CERAMIC CHIP	1μF	10%	25V
C1046	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C1047	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C1048	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C1049	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C1050	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C1051	1-126-394-11	ELECT CHIP	10μF	20%	16V
C1052	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C1053	1-126-394-11	ELECT CHIP	10μF	20%	16V



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C5012	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5241	1-126-392-11	ELECT CHIP	100μF	20%	6.3V
C5013	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5246	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C5014	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5250	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C5015	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5252	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C5016	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5253	1-126-392-11	ELECT CHIP	100μF	20%	6.3V
C5017	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5254	1-126-392-11	ELECT CHIP	100μF	20%	6.3V
C5018	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5255	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C5019	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5256	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C5020	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5257	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C5021	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5258	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C5022	1-162-905-11	CERAMIC CHIP	1pF	0.25pF	50V	C5259	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C5023	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C5260	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C5024	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C5262	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C5025	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C5265	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C5027	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C5269	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C5028	1-164-315-11	CERAMIC CHIP	470pF	5%	50V	C5270	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C5032	1-127-715-91	CERAMIC CHIP	0.22μF	10%	16V	C5271	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C5033	1-117-681-11	ELECT CHIP	100μF	20%	16V	C5273	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C5201	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5274	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C5202	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5278	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C5204	1-126-392-11	ELECT CHIP	100μF	20%	6.3V	C5279	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V
C5205	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5280	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C5208	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C5281	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C5209	1-126-392-11	ELECT CHIP	100μF	20%	6.3V	C5502	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C5211	1-126-392-11	ELECT CHIP	100μF	20%	6.3V	C5503	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C5212	1-162-979-11	CERAMIC CHIP	0.0027μF	10%	50V	C5504	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C5213	1-162-979-11	CERAMIC CHIP	0.0027μF	10%	50V	C5506	1-126-392-11	ELECT CHIP	100μF	20%	6.3V
C5216	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5507	1-162-968-11	CERAMIC CHIP	0.0047μF	10%	50V
C5217	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5508	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C5218	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5510	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C5219	1-126-392-11	ELECT CHIP	100μF	20%	6.3V	C5512	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C5220	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C5513	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C5221	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C5514	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C5222	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C6000	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C5224	1-126-392-11	ELECT CHIP	100μF	20%	6.3V	C6001	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C5225	1-162-960-11	CERAMIC CHIP	220pF	10%	50V	C6002	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C5226	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C6003	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
C5230	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C6004	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
C5231	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C6005	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C5234	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C6006	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C5236	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C6008	1-165-908-11	CERAMIC CHIP	1μF	10%	10V
C5237	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C6009	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C5239	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C6012	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C5240	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C6013	1-127-573-11	CERAMIC CHIP	1μF	10%	16V



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C6014	1-127-573-11	CERAMIC CHIP	1μF	10%	16V	C7521	1-164-937-11	CERAMIC CHIP	0.001μF	10%	50V
C7000	1-100-591-91	CERAMIC CHIP	1μF	10%	25V	C9002	1-124-779-00	ELECT CHIP	10μF	20%	16V
C7001	1-112-064-11	CERAMIC CHIP	2.2μF	10%	10V	C9003	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C7002	1-112-064-11	CERAMIC CHIP	2.2μF	10%	10V	C9004	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C7003	1-164-315-11	CERAMIC CHIP	470pF	5%	50V	C9005	1-125-777-11	CERAMIC CHIP	0.1μF	10%	10V
C7004	1-164-315-11	CERAMIC CHIP	470pF	5%	50V	C9006	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C7005	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V	C9007	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
C7006	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V	C9008	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
C7007	1-100-552-21	ELECT CHIP	10μF	20%	25V	C9009	1-100-567-81	CERAMIC CHIP	10000pF	10%	25V
C7008	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V	C9011	1-125-777-11	CERAMIC CHIP	0.1μF	10%	10V
C7009	1-162-927-11	CERAMIC CHIP	100pF	5%	50V	C9012	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C7010	1-127-573-11	CERAMIC CHIP	1μF	10%	16V	C9013	1-125-777-11	CERAMIC CHIP	0.1μF	10%	10V
C7011	1-128-536-11	ELECT CHIP	100μF	20%	25V	C9014	1-124-779-00	ELECT CHIP	10μF	20%	16V
C7012	1-110-648-11	ELECT CHIP	220μF	20%	25V	C9030	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C7013	1-100-591-91	CERAMIC CHIP	1μF	10%	25V	C9031	1-164-937-11	CERAMIC CHIP	0.001μF	10%	50V
C7014	1-100-591-91	CERAMIC CHIP	1μF	10%	25V	C9032	1-164-937-11	CERAMIC CHIP	0.001μF	10%	50V
C7015	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V	C9033	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C7016	1-100-591-91	CERAMIC CHIP	1μF	10%	25V	C9034	1-126-396-11	ELECT CHIP	47μF	20%	16V
C7017	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V	C9035	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
C7023	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C9036	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
C7025	1-125-827-91	CERAMIC CHIP	1μF	10%	25V	C9037	1-112-064-11	CERAMIC CHIP	2.2μF	10%	10V
C7026	1-125-827-91	CERAMIC CHIP	1μF	10%	25V	C9038	1-112-064-11	CERAMIC CHIP	2.2μF	10%	10V
C7027	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C9039	1-115-412-11	CERAMIC CHIP	680pF	5%	25V
C7028	1-112-794-11	ELECT CHIP	470μF	20%	16V	C9040	1-115-412-11	CERAMIC CHIP	680pF	5%	25V
C7030	1-112-794-11	ELECT CHIP	470μF	20%	16V	C9042	1-125-777-11	CERAMIC CHIP	0.1μF	10%	10V
C7031	1-100-551-21	ELECT CHIP	22μF	20%	20V	CONNECTOR					
C7032	1-165-673-21	ELECT CHIP	56μF	20%	10V	CN1001	1-819-390-51	FFC/FPC CONNECTOR (ZIF)			49P
C7034	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V	CN1002	1-819-447-11	HEADER ASSEMBLY FOR PWB			
C7035	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V	CN1004	1-779-936-51	CONNECTOR, FFC/FPC			18P
C7036	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	CN1007	1-819-336-11	HEADE ASSEMBLY FOR PWB			
C7037	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	CN1008	1-820-187-11	HEADER ASSEMBLY (PRINT PWB)			10P
C7040	1-126-392-11	ELECT CHIP	100μF	20%	6.3V	CN1700	1-820-187-11	HEADER ASSEMBLY (PRINT PWB)			10P
C7041	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	CN4701	1-819-461-11	HEADER ASSEMBLY FOR PWB			
C7042	1-126-392-11	ELECT CHIP	100μF	20%	6.3V	CN4702	1-820-252-51	FFC/FPC CONNECTOR (ZIF)			40P
C7045	1-131-661-21	ELECT CHIP	100μF	20%	10V	CN5000	1-820-235-11	HEADER ASSEMBLY			30P
C7047	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	CN6000	1-818-937-11	D SUB CONNECTOR			15P
C7051	1-135-595-11	ELECT	100μF	20%	6.3V						
C7052	1-165-673-21	ELECT CHIP	56μF	20%	10V	CN7002	1-780-336-11	EARTH TERMINAL			
C7054	1-100-597-91	CERAMIC CHIP	0.1μF	10%	25V	CN7003	1-780-336-11	EARTH TERMINAL			
C7056	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	CN7004	1-780-336-11	EARTH TERMINAL			
C7057	1-127-760-11	CERAMIC CHIP	4.7μF	10%	6.3V	CN7005	1-780-336-11	EARTH TERMINAL			
C7058	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	CN7008	1-820-186-11	HEADER ASSEMBLY (PRINT PWB)			
C7100	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	CN7009	1-820-184-11	HEADER ASSEMBLY (PRINT PWB)			
C7101	1-110-648-11	ELECT CHIP	220μF	20%	25V	CN9000	1-818-737-11	HDMI CONNECTOR			

*

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BU

REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
DIODE							
D1002	8-719-058-24	DIODE	RB501V-40TE-17	FB6001	1-469-100-21	FERRITE	0μH
D1006	8-719-404-50	DIODE	MA111-TX	FB6002	1-469-100-21	FERRITE	0μH
D1007	8-719-077-59	DIODE	1PS302	FB6004	1-469-100-21	FERRITE	0μH
D1020	8-719-422-46	DIODE	MA8056	FB6005	1-400-141-22	FERRITE	0μH
D1021	8-719-422-46	DIODE	MA8056	FB7001	1-414-445-11	FERRITE	0μH
D6000	8-719-422-46	DIODE	MA8056	FB7002	1-414-445-11	FERRITE	0μH
D6001	8-719-422-46	DIODE	MA8056	FB7003	1-414-445-11	FERRITE	0μH
D6002	8-719-422-46	DIODE	MA8056	FB7005	1-400-110-21	FERRITE	0μH
D6003	8-719-050-38	DIODE	M1MA152WK-T1	FB7006	1-400-110-21	FERRITE	0μH
D7000	8-719-404-50	DIODE	MA111-TX	FB7007	1-400-110-21	FERRITE	0μH
D7001	6-501-336-01	DIODE	RSX201L-30TE25	FB7008	1-400-110-21	FERRITE	0μH
D7003	8-719-404-50	DIODE	MA111-TX	FB7011	1-400-794-21	FERRITE	0μH
D7004	8-719-072-43	DIODE	RB050L-40TE25	FB9000	1-469-094-21	FERRITE	0μH
D7005	8-719-072-43	DIODE	RB050L-40TE25	FILTER			
D7006	6-501-336-01	DIODE	RSX201L-30TE25	FL1001	1-234-177-21	FERRITE	0μH
D7008	8-719-068-71	DIODE	PTZ-TE25-13A	FL5201	1-234-177-21	FERRITE	0μH
D7009	8-719-073-69	DIODE	PTZ-TE25-6.2A	FL5203	1-234-177-21	FERRITE	0μH
D7010	8-719-017-58	DIODE	MA8068	FL5206	1-234-177-21	FERRITE	0μH
D7014	8-719-017-58	DIODE	MA8068	FL5207	1-234-177-21	FERRITE	0μH
D7500	8-719-056-84	DIODE	UDZ-TE-17-7.5B	FL5500	1-234-177-21	FERRITE	0μH
D7508	8-719-404-50	DIODE	MA111-TX	FL5501	1-234-177-21	FERRITE	0μH
D7509	8-719-404-50	DIODE	MA111-TX	FL9000	1-234-177-21	FERRITE	0μH
D7510	8-719-404-50	DIODE	MA111-TX	FL9001	1-234-177-21	FERRITE	0μH
D9004	8-719-404-50	DIODE	MA111-TX	IC			
D9013	8-719-404-50	DIODE	MA111-TX	IC1001	6-708-219-01	IC	MB91305PMC-G-BNDE1
D9014	8-719-050-37	DIODE	M1MA152WA-T1	IC1002	6-806-427-08	IC	S29AL016D70TFI010-WAX2U8
D9015	8-719-404-50	DIODE	MA111-TX	IC1004	6-703-175-01	IC	PST3629UL
FUSE				IC1005	6-710-121-01	IC	M24256-BWMN6TP(A)
$\triangle$ F7000	1-576-603-21	FUSE	3.15A 24V	IC1006	6-709-512-01	IC	S-1132B18-M5T1G
FERRITE BEAD				IC1007	6-706-815-01	IC	TMP75AIDR
FB1001	1-414-227-11	FERRITE	0μH	IC1008	8-759-549-03	IC	SN74LV132APWR
FB1002	1-400-110-21	FERRITE	0μH	IC1009	6-709-517-01	IC	S-35390A-J8T1G
FB1004	1-400-110-21	FERRITE	0μH	IC1010	8-759-460-79	IC	BA09FP-E2
FB1005	1-400-110-21	FERRITE	0μH	IC5201	8-759-651-59	IC	SN74CBTLV3245APWR
FB1006	1-400-110-21	FERRITE	0μH	IC5202	8-759-651-59	IC	SN74CBTLV3245APWR
FB1007	1-400-110-21	FERRITE	0μH	IC5203	6-706-491-01	IC	TC7SH86FU(T5RSOYJF)
FB1720	1-400-141-22	FERRITE	0μH	IC5500	6-707-822-01	IC	EM6A9320BI-5MG
FB1721	1-400-141-22	FERRITE	0μH	IC6000	6-704-600-01	IC	M24C02-WMN6T(B)
FB5201	1-400-794-21	FERRITE	0μH	IC6001	8-759-679-54	IC	SN74LVC14APWR
FB6000	1-469-100-21	FERRITE	0μH	$\triangle$ IC7000	6-707-927-01	IC	BD9775FV
				IC7001	6-709-441-01	IC	SI8008TM-TL
				IC7002	6-709-441-01	IC	SI8008TM-TL
				IC7004	6-708-862-01	IC	MM1662FTRE

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BU

REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
IC7005	6-705-469-01	IC	BA50BC0FP-E2	TRANSISTOR			
IC9000	6-704-819-01	IC	CS4335-KSZR	Q1001	6-551-387-01	TRANSISTOR	SSM6N16FU
IC9001	6-704-001-01	IC	BR24L02F-WE2	Q1002	8-729-029-00	TRANSISTOR	DTC115EUA-T106
IC9002	6-708-758-01	IC	PCA9517DP.118	Q1003	8-729-028-74	TRANSISTOR	DTA114TUA-T106
* IC9711	6-703-108-01	IC	SN74LVC2G04DCKR	Q1004	8-729-013-28	TRANSISTOR	HN1B01FU-TE85R
JACK				Q1005	8-729-028-74	TRANSISTOR	DTA114TUA-T106
J6000	1-750-925-11	JACK (SMALL TYPE)		Q1006	8-729-029-04	TRANSISTOR	DTC123JUA-T106
COIL				Q1007	8-729-028-96	TRANSISTOR	DTC114EUA-T106
L1002	1-400-794-21	FERRITE	0 μ H	Q5000	8-729-602-36	TRANSISTOR	2SA1602-F
L5000	1-456-984-11	INDUCTOR	0 μ H	Q5001	8-729-602-36	TRANSISTOR	2SA1602-F
L5001	1-456-984-11	INDUCTOR	0 μ H	Q6000	8-729-120-28	TRANSISTOR	2SC1623-L5L6
L5002	1-456-984-11	INDUCTOR	0 μ H	Q6001	8-729-120-28	TRANSISTOR	2SC1623-L5L6
L5003	1-456-984-11	INDUCTOR	0 μ H	Q7000	8-729-046-04	TRANSISTOR	FDS6690A
L5004	1-456-984-11	INDUCTOR	0 μ H	Q7001	6-550-828-01	TRANSISTOR	RSQ035P03TR
L5005	1-400-177-21	FERRITE	0 μ H	Q7005	6-550-851-01	TRANSISTOR	RSS050P03FTB
L5006	1-469-561-21	INDUCTOR	100 μ H	Q7007	8-729-602-21	TRANSISTOR	2SC4154-F
L5201	1-400-794-21	FERRITE	0 μ H	Q7008	8-729-028-96	TRANSISTOR	DTC114EUA-T106
L5202	1-412-054-21	INDUCTOR	2.2 μ H	* Q7009	6-550-663-01	TRANSISTOR	RSS100N03TB
L5203	1-469-551-21	INDUCTOR	2.2 μ H	Q7500	8-729-028-96	TRANSISTOR	DTC114EUA-T106
L5205	1-469-551-21	INDUCTOR	2.2 μ H	Q7502	8-729-028-96	TRANSISTOR	DTC114EUA-T106
L5206	1-469-551-21	INDUCTOR	2.2 μ H	Q7503	8-729-028-96	TRANSISTOR	DTC114EUA-T106
L5500	1-400-794-21	FERRITE	0 μ H	Q7504	8-729-028-96	TRANSISTOR	DTC114EUA-T106
L5501	1-400-794-21	FERRITE	0 μ H	Q7505	8-729-028-96	TRANSISTOR	DTC114EUA-T106
L7000	1-416-740-11	INDUCTOR	10 μ H	Q7506	8-729-028-96	TRANSISTOR	DTC114EUA-T106
L7001	1-457-041-21	INDUCTOR	10 μ H	Q9000	8-729-028-96	TRANSISTOR	DTC114EUA-T106
L7002	1-481-081-11	INDUCTOR	47 μ H	Q9001	8-729-025-28	TRANSISTOR	2SK1828
L7003	1-481-080-11	INDUCTOR	22 μ H	Q9003	8-729-028-96	TRANSISTOR	DTC114EUA-T106
L7004	1-481-083-11	INDUCTOR	22 μ H	Q9004	8-729-120-28	TRANSISTOR	2SC1623-L5L6
L7005	1-456-786-21	INDUCTOR	47 μ H	Q9005	8-729-120-28	TRANSISTOR	2SC1623-L5L6
L7006	1-412-056-11	INDUCTOR	4.7 μ H	Q9006	8-729-028-96	TRANSISTOR	DTC114EUA-T106
L7007	1-416-740-11	INDUCTOR	10 μ H	Q9007	6-551-364-01	TRANSISTOR	DTC614TUT106
* L9000	1-813-308-11	INDUCTOR	0 μ H	Q9008	6-551-364-01	TRANSISTOR	DTC614TUT106
* L9001	1-813-308-11	INDUCTOR	0 μ H	Q9009	8-729-600-22	TRANSISTOR	2SA1235-F
* L9002	1-813-308-11	INDUCTOR	0 μ H	Q9010	8-729-120-28	TRANSISTOR	2SC1623-L5L6
* L9003	1-813-308-11	INDUCTOR	0 μ H	RESISTOR			
L9004	1-469-555-21	INDUCTOR	10 μ H	R1001	1-216-864-11	SHORT CHIP	
L9005	1-469-555-21	INDUCTOR	10 μ H	R1002	1-218-990-81	SHORT CHIP	
IC LINK				R1005	1-208-683-11	METAL CHIP	1K 0.50% 1/16W
PS6000	1-576-122-21	IC LINK	0.4A 72V	R1007	1-216-864-11	SHORT CHIP	
$\triangle$ PS7000	1-576-603-21	FUSE	3.15A 24V	R1010	1-218-990-81	SHORT CHIP	
				R1011	1-216-864-11	SHORT CHIP	
				R1012	1-216-864-11	SHORT CHIP	
				R1013	1-216-801-11	METAL CHIP	22 5% 1/10W



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R1014	1-216-801-11	METAL CHIP	22	5%	1/10W	R1087	1-216-864-11	SHORT CHIP			
R1015	1-216-864-11	SHORT CHIP				R1101	1-218-959-11	RES-CHIP	3.3K	5%	1/16W
R1016	1-216-801-11	METAL CHIP	22	5%	1/10W	R1107	1-218-941-81	RES-CHIP	100	5%	1/16W
R1017	1-216-801-11	METAL CHIP	22	5%	1/10W	R1108	1-218-941-81	RES-CHIP	100	5%	1/16W
R1018	1-216-864-11	SHORT CHIP				R1109	1-218-941-81	RES-CHIP	100	5%	1/16W
R1019	1-216-864-11	SHORT CHIP				R1110	1-218-941-81	RES-CHIP	100	5%	1/16W
R1021	1-216-801-11	METAL CHIP	22	5%	1/10W	R1111	1-218-933-11	RES-CHIP	22	5%	1/16W
R1022	1-216-801-11	METAL CHIP	22	5%	1/10W	R1112	1-218-941-81	RES-CHIP	100	5%	1/16W
R1023	1-216-801-11	METAL CHIP	22	5%	1/10W	R1113	1-218-933-11	RES-CHIP	22	5%	1/16W
R1024	1-216-801-11	METAL CHIP	22	5%	1/10W	R1115	1-218-941-81	RES-CHIP	100	5%	1/16W
R1025	1-216-864-11	SHORT CHIP				R1116	1-218-990-81	SHORT CHIP			
R1026	1-216-801-11	METAL CHIP	22	5%	1/10W	R1117	1-218-941-81	RES-CHIP	100	5%	1/16W
R1027	1-400-591-22	FERRITE	0μH			R1119	1-218-941-81	RES-CHIP	100	5%	1/16W
R1031	1-218-887-11	METAL CHIP	47K	0.50%	1/10W	R1122	1-216-864-11	SHORT CHIP			
R1032	1-400-807-21	FERRITE	0μH			R1123	1-216-864-11	SHORT CHIP			
R1034	1-218-863-11	METAL CHIP	4.7K	0.50%	1/10W	R1124	1-216-864-11	SHORT CHIP			
R1035	1-216-864-11	SHORT CHIP				R1125	1-216-864-11	SHORT CHIP			
R1036	1-218-965-11	RES-CHIP	10K	5%	1/16W	R1144	1-208-691-11	METAL CHIP	2.2K	0.50%	1/16W
R1037	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W	R1147	1-218-941-81	RES-CHIP	100	5%	1/16W
R1038	1-218-965-11	RES-CHIP	10K	5%	1/16W	R1158	1-218-941-81	RES-CHIP	100	5%	1/16W
R1045	1-218-965-11	RES-CHIP	10K	5%	1/16W	R1160	1-218-941-81	RES-CHIP	100	5%	1/16W
R1046	1-218-871-11	METAL CHIP	10K	0.50%	1/10W	R1161	1-218-965-11	RES-CHIP	10K	5%	1/16W
R1047	1-218-871-11	METAL CHIP	10K	0.50%	1/10W	R1162	1-218-973-11	RES-CHIP	47K	5%	1/16W
R1048	1-218-871-11	METAL CHIP	10K	0.50%	1/10W	R1163	1-218-941-81	RES-CHIP	100	5%	1/16W
R1049	1-218-965-11	RES-CHIP	10K	5%	1/16W	R1164	1-218-965-11	RES-CHIP	10K	5%	1/16W
R1052	1-218-941-81	RES-CHIP	100	5%	1/16W	R1165	1-218-965-11	RES-CHIP	10K	5%	1/16W
R1053	1-218-990-81	SHORT CHIP				R1167	1-218-965-11	RES-CHIP	10K	5%	1/16W
R1058	1-218-990-81	SHORT CHIP				R1168	1-218-965-11	RES-CHIP	10K	5%	1/16W
R1061	1-218-965-11	RES-CHIP	10K	5%	1/16W	R1169	1-216-864-11	SHORT CHIP			
R1064	1-218-965-11	RES-CHIP	10K	5%	1/16W	R1170	1-400-794-21	FERRITE	0μH		
R1065	1-218-965-11	RES-CHIP	10K	5%	1/16W	R1180	1-218-965-11	RES-CHIP	10K	5%	1/16W
R1066	1-218-965-11	RES-CHIP	10K	5%	1/16W	R1186	1-218-990-81	SHORT CHIP			
R1070	1-216-864-11	SHORT CHIP				R1188	1-218-990-81	SHORT CHIP			
R1073	1-218-990-81	SHORT CHIP				R1190	1-208-886-81	METAL CHIP	910	0.50%	1/16W
R1075	1-218-965-11	RES-CHIP	10K	5%	1/16W	R1191	1-218-969-11	RES-CHIP	22K	5%	1/16W
R1076	1-218-965-11	RES-CHIP	10K	5%	1/16W	R1192	1-218-941-81	RES-CHIP	100	5%	1/16W
R1078	1-218-990-81	SHORT CHIP				R1193	1-218-965-11	RES-CHIP	10K	5%	1/16W
R1079	1-400-807-21	FERRITE	0μH			R1195	1-218-990-81	SHORT CHIP			
R1080	1-400-807-21	FERRITE	0μH			R1196	1-218-965-11	RES-CHIP	10K	5%	1/16W
R1081	1-400-807-21	FERRITE	0μH			R1198	1-218-990-81	SHORT CHIP			
R1082	1-400-807-21	FERRITE	0μH			R1199	1-218-941-81	RES-CHIP	100	5%	1/16W
R1083	1-400-807-21	FERRITE	0μH			R1205	1-218-990-81	SHORT CHIP			
R1084	1-400-807-21	FERRITE	0μH			R1206	1-218-965-11	RES-CHIP	10K	5%	1/16W
R1085	1-400-807-21	FERRITE	0μH			R1207	1-218-949-11	RES-CHIP	470	5%	1/16W



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R1208	1-218-990-81	SHORT CHIP				R4714	1-218-937-11	RES-CHIP	47	5%	1/16W
R1209	1-218-990-81	SHORT CHIP				R4715	1-216-295-91	SHORT CHIP			
R1210	1-218-949-11	RES-CHIP	470	5%	1/16W	R5000	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R1211	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5002	1-218-949-11	RES-CHIP	470	5%	1/16W
R1212	1-218-949-11	RES-CHIP	470	5%	1/16W	R5003	1-218-990-81	SHORT CHIP			
R1218	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	R5004	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R1223	1-218-945-11	RES-CHIP	220	5%	1/16W	R5007	1-218-949-11	RES-CHIP	470	5%	1/16W
R1224	1-218-990-81	SHORT CHIP				R5008	1-218-990-81	SHORT CHIP			
R1225	1-218-937-11	RES-CHIP	47	5%	1/16W	R5009	1-218-989-11	RES-CHIP	1M	5%	1/16W
R1226	1-216-813-11	METAL CHIP	220	5%	1/10W	R5010	1-218-935-11	RES-CHIP	33	5%	1/16W
R1227	1-218-937-11	RES-CHIP	47	5%	1/16W	R5011	1-218-941-81	RES-CHIP	100	5%	1/16W
R1235	1-216-864-11	SHORT CHIP				R5012	1-218-941-81	RES-CHIP	100	5%	1/16W
R1239	1-216-864-11	SHORT CHIP				R5013	1-218-941-81	RES-CHIP	100	5%	1/16W
R1240	1-216-849-11	METAL CHIP	220K	5%	1/10W	R5014	1-218-941-81	RES-CHIP	100	5%	1/16W
R1242	1-218-941-81	RES-CHIP	100	5%	1/16W	R5016	1-218-941-81	RES-CHIP	100	5%	1/16W
R1243	1-216-809-11	METAL CHIP	100	5%	1/10W	R5017	1-218-941-81	RES-CHIP	100	5%	1/16W
R1246	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5025	1-218-990-81	SHORT CHIP			
R1247	1-216-864-11	SHORT CHIP				R5026	1-216-864-11	SHORT CHIP			
R1255	1-400-591-22	FERRITE	0μH			R5027	1-216-864-11	SHORT CHIP			
R1256	1-400-591-22	FERRITE	0μH			R5029	1-218-965-11	RES-CHIP	10K	5%	1/16W
R1257	1-400-591-22	FERRITE	0μH			R5031	1-218-941-81	RES-CHIP	100	5%	1/16W
R1258	1-400-591-22	FERRITE	0μH			R5039	1-218-990-81	SHORT CHIP			
R1259	1-400-591-22	FERRITE	0μH			R5040	1-218-990-81	SHORT CHIP			
R1260	1-400-591-22	FERRITE	0μH			R5042	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R1261	1-400-591-22	FERRITE	0μH			R5043	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R1262	1-400-591-22	FERRITE	0μH			R5044	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R1263	1-400-591-22	FERRITE	0μH			R5045	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R1264	1-400-591-22	FERRITE	0μH			R5046	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R1265	1-400-591-22	FERRITE	0μH			R5047	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R1266	1-216-864-11	SHORT CHIP				R5210	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R1267	1-400-591-22	FERRITE	0μH			R5211	1-218-990-81	SHORT CHIP			
R1270	1-218-941-81	RES-CHIP	100	5%	1/16W	R5212	1-218-973-11	RES-CHIP	47K	5%	1/16W
R1290	1-218-990-81	SHORT CHIP				R5214	1-218-933-11	RES-CHIP	22	5%	1/16W
R1295	1-208-721-11	METAL CHIP	39K	0.50%	1/16W	R5215	1-218-933-11	RES-CHIP	22	5%	1/16W
R1701	1-216-848-11	METAL CHIP	180K	5%	1/10W	R5218	1-216-864-11	SHORT CHIP			
R1702	1-216-809-11	METAL CHIP	100	5%	1/10W	R5221	1-216-864-11	SHORT CHIP			
R1707	1-218-990-81	SHORT CHIP				R5222	1-216-864-11	SHORT CHIP			
R1708	1-218-990-81	SHORT CHIP				R5223	1-218-965-11	RES-CHIP	10K	5%	1/16W
R1709	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5224	1-218-990-81	SHORT CHIP			
R1710	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5225	1-218-965-11	RES-CHIP	10K	5%	1/16W
R1711	1-218-983-11	RES-CHIP	330K	5%	1/16W	R5226	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4711	1-218-937-11	RES-CHIP	47	5%	1/16W	R5500	1-400-794-21	FERRITE	0μH		
R4712	1-218-937-11	RES-CHIP	47	5%	1/16W	R5503	1-218-847-11	METAL CHIP	1K	0.50%	1/10W
R4713	1-218-933-11	RES-CHIP	22	5%	1/16W	R5504	1-218-847-11	METAL CHIP	1K	0.50%	1/10W



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R5505	1-218-990-81	SHORT CHIP				R7000	1-218-871-11	METAL CHIP	10K	0.50%	1/10W
R5506	1-211-986-11	METAL CHIP	51	0.50%	1/10W	R7001	1-218-877-11	METAL CHIP	18K	0.50%	1/10W
R5507	1-218-990-81	SHORT CHIP				R7002	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R5508	1-218-933-11	RES-CHIP	22	5%	1/16W	R7003	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R5509	1-211-986-11	METAL CHIP	51	0.50%	1/10W	R7004	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5510	1-218-933-11	RES-CHIP	22	5%	1/16W	R7005	1-218-863-11	METAL CHIP	4.7K	0.50%	1/10W
R5511	1-218-933-11	RES-CHIP	22	5%	1/16W	R7006	1-218-891-11	METAL CHIP	68K	0.50%	1/10W
R5512	1-218-933-11	RES-CHIP	22	5%	1/16W	R7007	1-218-881-11	METAL CHIP	27K	0.50%	1/10W
R5513	1-218-933-11	RES-CHIP	22	5%	1/16W	R7008	1-218-891-11	METAL CHIP	68K	0.50%	1/10W
R5514	1-218-933-11	RES-CHIP	22	5%	1/16W	R7009	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5515	1-218-933-11	RES-CHIP	22	5%	1/16W	R7010	1-218-875-11	METAL CHIP	15K	0.50%	1/10W
R5516	1-218-933-11	RES-CHIP	22	5%	1/16W	R7011	1-218-879-11	METAL CHIP	22K	0.50%	1/10W
R5517	1-218-933-11	RES-CHIP	22	5%	1/16W	R7012	1-216-835-11	METAL CHIP	15K	5%	1/10W
R5518	1-218-933-11	RES-CHIP	22	5%	1/16W	R7013	1-218-882-11	METAL CHIP	30K	0.50%	1/10W
R5519	1-218-933-11	RES-CHIP	22	5%	1/16W	R7014	1-216-809-11	METAL CHIP	100	5%	1/10W
R6000	1-216-805-11	METAL CHIP	47	5%	1/10W	R7015	1-216-809-11	METAL CHIP	100	5%	1/10W
R6001	1-216-805-11	METAL CHIP	47	5%	1/10W	R7016	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6004	1-216-853-11	METAL CHIP	470K	5%	1/10W	R7017	1-216-815-11	METAL CHIP	330	5%	1/10W
R6005	1-216-853-11	METAL CHIP	470K	5%	1/10W	R7019	1-216-835-11	METAL CHIP	15K	5%	1/10W
R6006	1-216-833-11	METAL CHIP	10K	5%	1/10W	R7020	1-216-864-11	SHORT CHIP			
R6007	1-216-821-11	METAL CHIP	1K	5%	1/10W	R7021	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6008	1-216-821-11	METAL CHIP	1K	5%	1/10W	R7022	1-216-864-11	SHORT CHIP			
R6009	1-216-833-11	METAL CHIP	10K	5%	1/10W	R7023	1-216-864-11	SHORT CHIP			
R6010	1-216-805-11	METAL CHIP	47	5%	1/10W	R7024	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6011	1-216-805-11	METAL CHIP	47	5%	1/10W	R7025	1-216-864-11	SHORT CHIP			
R6012	1-218-827-11	METAL CHIP	150	0.50%	1/10W	R7026	1-216-864-11	SHORT CHIP			
R6013	1-218-827-11	METAL CHIP	150	0.50%	1/10W	R7027	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6014	1-218-827-11	METAL CHIP	150	0.50%	1/10W	R7028	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6015	1-218-827-11	METAL CHIP	150	0.50%	1/10W	R7029	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6016	1-216-821-11	METAL CHIP	1K	5%	1/10W	R7030	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6017	1-218-827-11	METAL CHIP	150	0.50%	1/10W	R7031	1-218-855-11	METAL CHIP	2.2K	0.50%	1/10W
R6018	1-218-827-11	METAL CHIP	150	0.50%	1/10W	R7032	1-218-843-11	METAL CHIP	680	0.50%	1/10W
R6019	1-216-845-11	METAL CHIP	100K	5%	1/10W	R7035	1-218-847-11	METAL CHIP	1K	0.50%	1/10W
R6021	1-216-801-11	METAL CHIP	22	5%	1/10W	R7036	1-218-845-11	METAL CHIP	820	0.50%	1/10W
R6022	1-216-801-11	METAL CHIP	22	5%	1/10W	R7040	1-216-295-91	SHORT CHIP			
R6023	1-216-801-11	METAL CHIP	22	5%	1/10W	R7041	1-400-794-21	FERRITE	0μH		
R6029	1-218-933-11	RES-CHIP	22	5%	1/16W	R7045	1-216-295-91	SHORT CHIP			
R6030	1-218-933-11	RES-CHIP	22	5%	1/16W	R7046	1-216-295-91	SHORT CHIP			
R6041	1-216-847-11	METAL CHIP	150K	5%	1/10W	R7048	1-216-295-91	SHORT CHIP			
R6042	1-216-847-11	METAL CHIP	150K	5%	1/10W	R7050	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R6043	1-216-847-11	METAL CHIP	150K	5%	1/10W	R7051	1-218-839-11	METAL CHIP	470	0.50%	1/10W
R6044	1-216-847-11	METAL CHIP	150K	5%	1/10W	R7053	1-218-859-11	METAL CHIP	3.3K	0.50%	1/10W
R6045	1-216-821-11	METAL CHIP	1K	5%	1/10W	R7054	1-218-859-11	METAL CHIP	3.3K	0.50%	1/10W
R6046	1-216-821-11	METAL CHIP	1K	5%	1/10W	R7055	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R7056	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W	R9022	1-218-973-11	RES-CHIP	47K	5%	1/16W
R7057	1-216-843-11	METAL CHIP	68K	5%	1/10W	R9025	1-218-941-81	RES-CHIP	100	5%	1/16W
R7058	1-216-851-11	METAL CHIP	330K	5%	1/10W	R9031	1-218-929-11	RES-CHIP	10	5%	1/16W
R7060	1-216-833-11	METAL CHIP	10K	5%	1/10W	R9032	1-218-929-11	RES-CHIP	10	5%	1/16W
R7063	1-216-833-11	METAL CHIP	10K	5%	1/10W	R9033	1-218-929-11	RES-CHIP	10	5%	1/16W
R7064	1-216-864-11	SHORT CHIP				R9034	1-218-929-11	RES-CHIP	10	5%	1/16W
R7066	1-216-835-11	METAL CHIP	15K	5%	1/10W	R9035	1-218-929-11	RES-CHIP	10	5%	1/16W
R7067	1-218-879-11	METAL CHIP	22K	0.50%	1/10W	R9036	1-218-929-11	RES-CHIP	10	5%	1/16W
R7080	1-400-591-22	FERRITE	0μH			R9037	1-218-929-11	RES-CHIP	10	5%	1/16W
R7081	1-400-591-22	FERRITE	0μH			R9038	1-218-929-11	RES-CHIP	10	5%	1/16W
R7082	1-400-591-22	FERRITE	0μH			R9040	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7083	1-400-591-22	FERRITE	0μH			R9041	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7506	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W	R9044	1-218-937-11	RES-CHIP	47	5%	1/16W
R7507	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W	R9045	1-218-937-11	RES-CHIP	47	5%	1/16W
R7510	1-216-864-11	SHORT CHIP				R9046	1-218-937-11	RES-CHIP	47	5%	1/16W
R7515	1-216-845-11	METAL CHIP	100K	5%	1/10W	R9047	1-216-295-91	SHORT CHIP			
R7516	1-216-840-11	METAL CHIP	39K	5%	1/10W	R9048	1-218-937-11	RES-CHIP	47	5%	1/16W
R7517	1-216-845-11	METAL CHIP	100K	5%	1/10W	R9051	1-218-937-11	RES-CHIP	47	5%	1/16W
R7518	1-216-847-11	METAL CHIP	150K	5%	1/10W	R9060	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R7542	1-218-965-11	RES-CHIP	10K	5%	1/16W	R9061	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R7543	1-218-965-11	RES-CHIP	10K	5%	1/16W	R9062	1-216-847-11	METAL CHIP	150K	5%	1/10W
R7544	1-218-965-11	RES-CHIP	10K	5%	1/16W	R9063	1-216-847-11	METAL CHIP	150K	5%	1/10W
R7545	1-218-977-11	RES-CHIP	100K	5%	1/16W	R9064	1-216-821-11	METAL CHIP	1K	5%	1/10W
R7546	1-218-965-11	RES-CHIP	10K	5%	1/16W	R9065	1-216-847-11	METAL CHIP	150K	5%	1/10W
R9001	1-216-805-11	METAL CHIP	47	5%	1/10W	R9066	1-216-847-11	METAL CHIP	150K	5%	1/10W
R9002	1-216-805-11	METAL CHIP	47	5%	1/10W	R9067	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9003	1-216-805-11	METAL CHIP	47	5%	1/10W	R9070	1-218-953-11	RES-CHIP	1K	5%	1/16W
R9004	1-216-805-11	METAL CHIP	47	5%	1/10W	R9071	1-218-973-11	RES-CHIP	47K	5%	1/16W
R9005	1-218-929-11	RES-CHIP	10	5%	1/16W	R9072	1-218-973-11	RES-CHIP	47K	5%	1/16W
R9006	1-208-683-11	METAL CHIP	1K	0.50%	1/16W	R9073	1-218-973-11	RES-CHIP	47K	5%	1/16W
R9007	1-218-990-81	SHORT CHIP				R9074	1-218-969-11	RES-CHIP	22K	5%	1/16W
R9008	1-218-990-81	SHORT CHIP				R9075	1-218-989-11	RES-CHIP	1M	5%	1/16W
R9009	1-218-990-81	SHORT CHIP				R9076	1-218-973-11	RES-CHIP	47K	5%	1/16W
R9010	1-216-864-11	SHORT CHIP				R9944	1-216-295-91	SHORT CHIP			
R9011	1-216-853-11	METAL CHIP	470K	5%	1/10W						
R9012	1-216-853-11	METAL CHIP	470K	5%	1/10W						
R9013	1-208-911-11	METAL CHIP	10K	0.50%	1/16W						
R9014	1-216-864-11	SHORT CHIP									
R9015	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R9016	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R9017	1-218-941-81	RES-CHIP	100	5%	1/16W						
R9018	1-218-941-81	RES-CHIP	100	5%	1/16W						
R9019	1-218-961-11	RES-CHIP	4.7K	5%	1/16W						
R9020	1-218-961-11	RES-CHIP	4.7K	5%	1/16W						
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NOTE: The components identified by shading and  mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifiés par un trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

BU **G1** **G2**

REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
RB5005	1-234-370-21	RES, NETWORK 22	(1005X4)	G1  1-468-980-12 G1 BOARD, COMPLETE (POWER UNIT) (KDL-23S2010/26S2010/32S2010 ONLY) Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method. Data is provided for reference only. G2 * A-1169-591-E G2 BOARD, COMPLETE (KDL-40S2010 ONLY) A-1189-958-A G2 BOARD, COMPLETE KIT (FOR INZ) (KDL-46S2010 ONLY) 4-382-854-11 SCREW (M3X10), P, SW (+) WIRE PIN * A6012 4-042-408-02 PIN(45), WIRE * A6013 4-042-408-02 PIN(45), WIRE CAPACITOR C6000 1-161-964-91 CERAMIC 0.0047µF 250V C6001 1-119-892-51 CERAMIC 470pF 10% 250V C6002 1-165-531-11 MYLAR 1µF 10 275V C6003 1-161-964-91 CERAMIC 0.0047µF 250V C6004 1-165-529-11 MYLAR 0.22µF 10 275V C6005 1-119-892-51 CERAMIC 470pF 10% 250V C6006 1-135-361-11 ELECT(BLOCK) 180µF 20% 450V C6008 1-135-361-11 ELECT(BLOCK) 180µF 20% 450V C6010 1-113-889-11 CERAMIC 0.001µF 20% 250V C6012 1-113-889-11 CERAMIC 0.001µF 20% 250V C6015 1-119-891-51 CERAMIC 220pF 10% 250V C6016 1-119-891-51 CERAMIC 220pF 10% 250V C6051 1-162-970-11 CERAMIC CHIP 0.01µF 10% 25V C6100 1-162-970-11 CERAMIC CHIP 0.01µF 10% 25V C6101 1-107-905-11 ELECT 4.7µF 20% 50V C6102 1-107-910-11 ELECT 100µF 20% 50V C6103 1-162-970-11 CERAMIC CHIP 0.01µF 10% 25V C6104 1-100-831-91 CERAMIC CHIP 0.001µF 2% 50V C6105 1-107-906-11 ELECT 10µF 20% 50V C6108 1-115-340-11 CERAMIC CHIP 0.22µF 10% 25V C6109 1-107-888-11 ELECT 47µF 20% 25V C6111 1-100-613-81 CERAMIC 470pF 5% 1KV C6112 1-100-310-11 FILM 18000pF 3% 800V			
RB5201	1-234-372-11	RES, NETWORK 100	(1005X4)				
RB5202	1-234-372-11	RES, NETWORK 100	(1005X4)				
RB5203	1-234-372-11	RES, NETWORK 100	(1005X4)				
RB5500	1-234-370-21	RES, NETWORK 22	(1005X4)				
RB5501	1-234-370-21	RES, NETWORK 22	(1005X4)				
RB5502	1-234-370-21	RES, NETWORK 22	(1005X4)				
RB5503	1-234-370-21	RES, NETWORK 22	(1005X4)				
RB5504	1-234-370-21	RES, NETWORK 22	(1005X4)				
RB5505	1-234-370-21	RES, NETWORK 22	(1005X4)				
RB5506	1-234-370-21	RES, NETWORK 22	(1005X4)				
RB5507	1-234-370-21	RES, NETWORK 22	(1005X4)				
RB5508	1-234-370-21	RES, NETWORK 22	(1005X4)				
RB5509	1-234-370-21	RES, NETWORK 22	(1005X4)				
RB5510	1-234-370-21	RES, NETWORK 22	(1005X4)				
RB5511	1-234-370-21	RES, NETWORK 22	(1005X4)				
<u>VARISTOR</u>							
VD6000	1-802-078-11	VARISTOR	(SMD)				
VD6001	1-802-078-11	VARISTOR	(SMD)				
VD6002	1-802-078-11	VARISTOR	(SMD)				
VD6003	1-802-078-11	VARISTOR	(SMD)				
VD6004	1-802-078-11	VARISTOR	(SMD)				
VD6005	1-802-078-11	VARISTOR	(SMD)				
VD6006	1-802-078-11	VARISTOR	(SMD)				
VD9001	1-802-078-11	VARISTOR	(SMD)				
VD9002	1-802-078-11	VARISTOR	(SMD)				
VD9003	6-500-701-01	DIODE	PGB1010603NR				
VD9004	6-500-701-01	DIODE	PGB1010603NR				
VD9005	6-500-701-01	DIODE	PGB1010603NR				
VD9006	6-500-701-01	DIODE	PGB1010603NR				
VD9007	6-500-701-01	DIODE	PGB1010603NR				
VD9008	6-500-701-01	DIODE	PGB1010603NR				
VD9010	6-500-701-01	DIODE	PGB1010603NR				
VD9011	6-500-701-01	DIODE	PGB1010603NR				
VD9012	6-500-701-01	DIODE	PGB1010603NR				
VD9013	6-500-701-01	DIODE	PGB1010603NR				
<u>CRYSTAL</u>							
X1001	1-813-070-21	PIEZOELECTRIC OSCILLATOR					
X1009	1-813-784-21	VIBRATOR, CRYSTAL					
X5000	1-813-773-11	VIBRATOR, CRYSTAL					

NOTE: The components identified by shading and $\triangle$ mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifiés par un trame et une marque $\triangle$ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

G2

REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
C6116	1-163-021-91	CERAMIC CHIP	0.01 μ F 10% 50V	CONNECTOR			
C6200	1-164-227-11	CERAMIC CHIP	0.022 μ F 10% 25V	CN6000	1-695-915-11	TAB (CONTACT)	
C6202	1-112-242-21	ELECT	1500 μ F 20% 25V	* $\triangle$ CN6001	1-793-660-11	PIN, CONNECTOR (PC BOARD)	3P
C6203	1-107-907-11	ELECT	22 μ F 20% 50V	CN6011	1-537-770-21	TERMINAL BOARD, GROUND	
C6204	1-112-242-21	ELECT	1500 μ F 20% 25V	* CN6200	1-793-236-11	PIN, CONNECTOR (PC BOARD)	14P
C6205	1-112-242-21	ELECT	1500 μ F 20% 25V	* CN6202	1-785-708-11	PIN, CONNECTOR (PC BOARD)	12P
C6207	1-112-242-21	ELECT	1500 μ F 20% 25V				
C6216	1-107-928-11	ELECT	4.7 μ F 20% 100V	* CN6204	1-785-706-11	PIN, CONNECTOR (PC BOARD)	10P
C6217	1-112-229-21	ELECT	1500 μ F 20% 16V	CN6211	1-537-770-21	TERMINAL BOARD, GROUND	
C6305	1-107-826-11	CERAMIC CHIP	0.1 μ F 10% 16V	CN6214	1-537-770-21	TERMINAL BOARD, GROUND	
C6306	1-162-927-11	CERAMIC CHIP	100pF 5% 50V	CN6216	1-537-770-21	TERMINAL BOARD, GROUND	
C6307	1-107-903-11	ELECT	2.2 μ F 20% 50V	DIODE			
C6308	1-107-904-11	ELECT	3.3 μ F 20% 50V	D6000	8-719-054-89	DIODE	D15XB60
C6309	1-107-910-11	ELECT	100 μ F 20% 50V	D6002	8-719-081-97	DIODE	MMDL914T1
C6310	1-100-139-31	FILM	0.001 μ F 5% 630V	D6003	8-719-081-97	DIODE	MMDL914T1
C6314	1-162-964-11	CERAMIC CHIP	0.001 μ F 10% 50V	D6102	6-500-137-01	DIODE	BAT54HT1
C6315	1-165-729-31	ELECT	470 μ F 20% 16V	D6103	8-719-979-64	DIODE	μ F4005/23
C6316	1-107-826-11	CERAMIC CHIP	0.1 μ F 10% 16V	D6104	6-501-043-01	DIODE	UMZ16NT106
C6401	1-107-882-91	ELECT	100 μ F 20% 16V	$\triangle$ D6105	6-501-043-01	DIODE	UMZ16NT106
C6402	1-127-573-11	CERAMIC CHIP	1 μ F 10% 16V	D6106	8-719-081-67	DIODE	M1FM3
C6404	1-107-826-11	CERAMIC CHIP	0.1 μ F 10% 16V	$\triangle$ D6107	8-719-081-67	DIODE	M1FM3
C6405	1-115-339-11	CERAMIC CHIP	0.1 μ F 10% 50V	D6108	8-719-041-97	DIODE	MA113-(TX)
C6406	1-162-964-11	CERAMIC CHIP	0.001 μ F 10% 50V				
C6407	1-162-970-11	CERAMIC CHIP	0.01 μ F 10% 25V	D6200	8-719-057-96	DIODE	D10SC6M-4012
C6408	1-125-891-11	CERAMIC CHIP	0.47 μ F 10% 10V	D6201	8-719-057-96	DIODE	D10SC6M-4012
C6413	1-162-964-11	CERAMIC CHIP	0.001 μ F 10% 50V	D6202	8-719-057-96	DIODE	D10SC6M-4012
C6451	1-107-826-11	CERAMIC CHIP	0.1 μ F 10% 16V	D6203	8-719-057-96	DIODE	D10SC6M-4012
C6504	1-100-613-81	CERAMIC	470pF 5% 1KV	D6204	6-500-567-31	DIODE	10ERB20-TB3
C6505	1-100-613-81	CERAMIC	470pF 5% 1KV	D6205	6-500-567-31	DIODE	10ERB20-TB3
C6517	1-117-227-11	MYLAR	1 μ F 10% 450V	D6207	8-719-057-96	DIODE	D10SC6M-4012
C6518	1-112-744-52	MYLAR	1 μ F 10% 450V	D6208	8-719-057-96	DIODE	D10SC6M-4012
C6519	1-162-969-11	CERAMIC CHIP	0.0068 μ F 10% 25V	D6302	6-500-567-31	DIODE	10ERB20-TB3
C6520	1-117-227-11	MYLAR	1 μ F 10% 450V	D6303	6-500-567-31	DIODE	10ERB20-TB3
C6521	1-107-823-11	CERAMIC CHIP	0.47 μ F 10% 16V	D6304	6-500-849-01	DIODE	ERA22-08KFLB
C6522	1-162-964-11	CERAMIC CHIP	0.001 μ F 10% 50V	D6305	6-500-567-31	DIODE	10ERB20-TB3
C6523	1-162-970-11	CERAMIC CHIP	0.01 μ F 10% 25V	D6306	8-719-510-02	DIODE	D1NS4
C6525	1-115-339-11	CERAMIC CHIP	0.1 μ F 10% 50V	D6401	8-719-081-97	DIODE	MMDL914T1
C6526	1-107-906-11	ELECT	10 μ F 20% 50V	D6402	8-719-081-97	DIODE	MMDL914T1
				D6407	8-719-082-04	DIODE	MM3Z22VT1
				D6408	8-719-081-97	DIODE	MMDL914T1
				D6452	8-719-081-97	DIODE	MMDL914T1
				D6454	1-125-889-91	CERAMIC CHIP	2.2 μ F 10% 10V
				D6456	8-719-081-97	DIODE	MMDL914T1

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REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
D6504	1-216-295-91	SHORT CHIP		COIL			
D6505	8-719-976-99	DIODE	DTZ5.1B	L6000	1-456-856-21	LINE FILTER COIL	
D6506	8-719-054-59	DIODE	FSF05A60	L6001	1-456-856-21	LINE FILTER COIL	
D6507	8-719-081-97	DIODE	MMDL914T1	L6203	1-414-487-41	INDUCTOR	1 μ H
D6508	6-500-108-01	DIODE	EP05FA20	L6204	1-414-487-41	INDUCTOR	1 μ H
D6509	6-500-108-01	DIODE	EP05FA20	L6207	1-457-239-11	INDUCTOR	4.7 μ H
D6510	6-500-137-01	DIODE	BAT54HT1	L6208	1-457-239-11	INDUCTOR	4.7 μ H
D6511	8-719-081-97	DIODE	MMDL914T1	L6300	1-414-934-21	INDUCTOR	10 μ H
D6512	8-719-081-97	DIODE	MMDL914T1	L6500	1-457-218-11	INDUCTOR	100 μ H
D6551	8-719-081-97	DIODE	MMDL914T1	L6502	1-457-141-11	INDUCTOR	175 μ H
D6552	8-719-081-97	DIODE	MMDL914T1	PHOTO COUPLER			
D6553	8-719-081-97	DIODE	MMDL914T1	PH6000	6-600-187-01	PHOTO COUPLER	PC123Y22JOOF
FUSE				PH6100	6-600-187-01	PHOTO COUPLER	PC123Y22JOOF
$\triangle$ F6000	1-576-233-51	FUSE	6.3A 250V	PH6301	6-600-187-01	PHOTO COUPLER	PC123Y22JOOF
FERRITE BEAD				PH6400	6-600-187-01	PHOTO COUPLER	PC123Y22JOOF
FB6100	1-410-396-41	FERRITE	0.45 μ H	PH6402	6-600-187-01	PHOTO COUPLER	PC123Y22JOOF
FB6101	1-410-396-41	FERRITE	0.45 μ H	TRANSISTOR			
FUSE HOLDER				Q6051	8-729-045-62	TRANSISTOR	2SK2158-T2B
$\triangle$ FH6000	1-533-223-11	FUSE HOLDER	0A 0V	$\triangle$ Q6100	6-551-297-01	TRANSISTOR	2SK3568(LBS1SONY.Q
$\triangle$ FH6001	1-533-223-11	FUSE HOLDER	0A 0V	$\triangle$ Q6101	6-551-297-01	TRANSISTOR	2SK3568(LBS1SONY.Q
IC				Q6400	8-729-804-41	TRANSISTOR	2SB1122-S
$\triangle$ IC6100	6-709-581-01	IC	CXD9841M-H	Q6401	8-729-120-28	TRANSISTOR	2SC1623-L5L6
IC6200	6-709-368-01	IC	MM1431ATT (CN)	Q6402	8-729-045-62	TRANSISTOR	2SK2158-T2B
$\triangle$ IC6301	6-708-801-01	IC	MIP2H2	Q6403	8-729-026-49	TRANSISTOR	2SA1037AK-T146-R
IC6302	6-709-442-01	IC	MM1530ATT	Q6404	8-729-120-28	TRANSISTOR	2SC1623-L5L6
IC6401	6-709-368-01	IC	MM1431ATT (CN)	Q6405	8-729-120-28	TRANSISTOR	2SC1623-L5L6
IC6402	6-709-368-01	IC	MM1431ATT (CN)	Q6406	8-729-120-28	TRANSISTOR	2SC1623-L5L6
$\triangle$ IC6502	6-709-192-01	IC	FA5501AN-D1-TE1	Q6454	8-729-026-49	TRANSISTOR	2SA1037AK-T146-R
CHIP CONDUCTOR				Q6455	8-729-120-28	TRANSISTOR	2SC1623-L5L6
JR6001	1-216-295-91	SHORT CHIP		$\triangle$ Q6500	6-551-403-01	TRANSISTOR	2SK3797(LBS1SONY.
JR6002	1-216-296-11	SHORT CHIP		Q6501	8-729-820-90	TRANSISTOR	2SD1621-ST
JR6004	1-216-295-91	SHORT CHIP		Q6502	8-729-804-41	TRANSISTOR	2SB1122-S
JR6007	1-216-296-11	SHORT CHIP		$\triangle$ Q6504	6-551-403-01	TRANSISTOR	2SK3797(LBS1SONY.
JR6008	1-216-296-11	SHORT CHIP		RESISTOR			
JR6009	1-216-296-11	SHORT CHIP		$\triangle$ R6002	1-240-251-11	METAL	6.8 5% 10W
JR6010	1-216-296-11	SHORT CHIP		R6003	1-247-752-11	CARBON	1K 5% 1/2W
JR6011	1-216-295-91	SHORT CHIP		R6004	1-218-835-11	METAL CHIP	330 0.50% 1/10W
JR6012	1-216-295-91	SHORT CHIP		R6051	1-216-821-11	METAL CHIP	1K 5% 1/10W
JR6013	1-216-295-91	SHORT CHIP		R6052	1-216-837-11	METAL CHIP	22K 5% 1/10W
				R6101	1-249-385-11	CARBON	2.2 5% 1/4W
				$\triangle$ R6102	1-202-933-61	FUSIBLE	0.1 10% 1/2W
				R6103	1-218-823-11	METAL CHIP	100 0.50% 1/10W

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G2

REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R6104	1-218-887-11	METAL CHIP	47K	0.50%	1/10W	R6410	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6105	1-208-854-11	METAL CHIP	1M	0.50%	1/10W	R6412	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6106	1-208-854-11	METAL CHIP	1M	0.50%	1/10W	R6413	1-218-863-11	METAL CHIP	4.7K	0.50%	1/10W
R6107	1-208-854-11	METAL CHIP	1M	0.50%	1/10W	R6417	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6108	1-208-854-11	METAL CHIP	1M	0.50%	1/10W	R6418	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6109	1-218-761-11	METAL CHIP	240K	0.50%	1/10W	R6419	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6110	1-218-881-11	METAL CHIP	27K	0.50%	1/10W	R6420	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6111	1-218-873-11	METAL CHIP	12K	0.50%	1/10W	R6436	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R6114	1-211-985-11	METAL CHIP	47	0.50%	1/10W	R6437	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6116	1-216-009-91	RES-CHIP	22	5%	1/10W	R6441	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6117	1-216-009-91	RES-CHIP	22	5%	1/10W	R6442	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6118	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6443	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6119	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6444	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6121	1-216-361-00	METAL OXIDE	0.22	5%	2W	R6451	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6122	1-216-361-00	METAL OXIDE	0.22	5%	2W	R6452	1-218-847-11	METAL CHIP	1K	0.50%	1/10W
R6123	1-218-847-11	METAL CHIP	1K	0.50%	1/10W	R6453	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6127	1-216-857-11	METAL CHIP	1M	5%	1/10W	R6454	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R6200	1-216-821-11	METAL CHIP	1K	5%	1/10W	R6455	1-218-903-11	METAL CHIP	220K	0.50%	1/10W
R6201	1-216-821-11	METAL CHIP	1K	5%	1/10W	R6456	1-218-859-11	METAL CHIP	3.3K	0.50%	1/10W
R6202	1-216-105-91	RES-CHIP	220K	5%	1/10W	R6459	1-218-885-11	METAL CHIP	39K	0.50%	1/10W
R6203	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6461	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6204	1-218-843-11	METAL CHIP	680	0.50%	1/10W	R6462	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6205	1-218-865-11	METAL CHIP	5.6K	0.50%	1/10W	R6468	1-218-903-11	METAL CHIP	220K	0.50%	1/10W
R6207	1-218-847-11	METAL CHIP	1K	0.50%	1/10W	R6503	1-215-882-00	METAL OXIDE	22	5%	2W
$\triangle$ R6208	1-249-377-11	CARBON	0.47	5%	1/4W	R6512	1-218-907-11	METAL CHIP	330K	0.50%	1/10W
R6226	1-249-389-11	CARBON	4.7	5%	1/4W	R6513	1-218-879-11	METAL CHIP	22K	0.50%	1/10W
$\triangle$ R6300	1-212-958-00	FUSIBLE	10	5%	1/2W	R6514	1-218-895-11	METAL CHIP	100K	0.50%	1/10W
R6301	1-243-725-71	METAL OXIDE	100K	5%	1W	R6515	1-218-823-11	METAL CHIP	100	0.50%	1/10W
R6302	1-218-865-11	METAL CHIP	5.6K	0.50%	1/10W	R6526	1-211-989-11	METAL CHIP	68	0.50%	1/10W
R6303	1-249-385-11	CARBON	2.2	5%	1/4W	R6527	1-218-913-91	METAL CHIP	560K	0.50%	1/10W
R6304	1-216-821-11	METAL CHIP	1K	5%	1/10W	R6528	1-218-879-11	METAL CHIP	22K	0.50%	1/10W
R6305	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R6529	1-216-864-11	SHORT CHIP			
R6306	1-216-805-11	METAL CHIP	47	5%	1/10W	R6530	1-219-729-11	METAL	0.33	10%	5W
R6307	1-218-887-11	METAL CHIP	47K	0.50%	1/10W	R6531	1-219-729-11	METAL	0.33	10%	5W
R6308	1-218-871-11	METAL CHIP	10K	0.50%	1/10W	R6532	1-216-864-11	SHORT CHIP			
R6309	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W	R6533	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6400	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6534	1-218-823-11	METAL CHIP	100	0.50%	1/10W
R6401	1-218-863-11	METAL CHIP	4.7K	0.50%	1/10W	R6535	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6402	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6536	1-218-830-11	METAL CHIP	200	0.50%	1/10W
R6403	1-218-887-11	METAL CHIP	47K	0.50%	1/10W	R6537	1-249-389-11	CARBON	4.7	5%	1/4W
R6405	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6538	1-249-405-11	CARBON	100	5%	1/4W
R6407	1-216-837-11	METAL CHIP	22K	5%	1/10W	R6539	1-218-830-11	METAL CHIP	200	0.50%	1/10W
R6408	1-218-879-11	METAL CHIP	22K	0.50%	1/10W	R6540	1-249-389-11	CARBON	4.7	5%	1/4W
R6409	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6541	1-208-818-11	METAL CHIP	33K	0.50%	1/10W

G2

H1U

H2U

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R6542	1-208-814-91	METAL CHIP	22K	0.50%	1/10W
R6543	1-218-830-11	METAL CHIP	200	0.50%	1/10W
R6544	1-218-830-11	METAL CHIP	200	0.50%	1/10W
R6545	1-208-848-11	METAL CHIP	560K	0.50%	1/10W
R6546	1-208-848-11	METAL CHIP	560K	0.50%	1/10W
R6547	1-208-848-11	METAL CHIP	560K	0.50%	1/10W
R6548	1-208-846-11	METAL CHIP	470K	0.50%	1/10W
R6549	1-208-844-11	METAL CHIP	390K	0.50%	1/10W
R6550	1-218-875-11	METAL CHIP	15K	0.50%	1/10W
R6551	1-249-393-11	CARBON	10	5%	1/4W
R6552	1-216-809-11	METAL CHIP	100	5%	1/10W
R6553	1-208-830-11	METAL CHIP	100K	0.50%	1/10W
R6554	1-218-911-11	METAL CHIP	470K	0.50%	1/10W
R6555	1-218-887-11	METAL CHIP	47K	0.50%	1/10W
R6557	1-218-851-11	METAL CHIP	1.5K	0.50%	1/10W
R6560	1-218-911-11	METAL CHIP	470K	0.50%	1/10W
R6562	1-218-760-11	METAL CHIP	220K	0.50%	1/10W
R6563	1-218-760-11	METAL CHIP	220K	0.50%	1/10W
R6564	1-218-760-11	METAL CHIP	220K	0.50%	1/10W
R6565	1-218-760-11	METAL CHIP	220K	0.50%	1/10W
<u>RELAY</u>					
RY6003	1-755-488-11	RELAY (LKP1AF-18V)			
<u>TRANSFORMER</u>					
T6102	1-443-983-11	CONVERTER TRANSFORMER (PIT)			
T6103	1-443-982-11	CONVERTER TRANSFORMER (PIT)			
T6301	1-443-984-11	CONVERTER TRANSFORMER (SBT)			
<u>VARISTOR</u>					
VD6000	1-804-996-21	VARISTOR			
VD6001	1-804-996-21	VARISTOR			
H1U					
A-1172-589-D MOUNT, H1U					
<u>CONNECTOR</u>					
CN101	1-819-445-11	HEADER ASSEMBLY FOR PWB			
<u>RESISTOR</u>					
R101	1-218-848-11	METAL CHIP	1.1K	0.50%	1/10W
R102	1-218-841-11	METAL CHIP	560	0.50%	1/10W
R103	1-218-835-11	METAL CHIP	330	0.50%	1/10W
R104	1-218-831-11	METAL CHIP	220	0.50%	1/10W
R105	1-218-827-11	METAL CHIP	150	0.50%	1/10W

REF. NO.	PART NO.	DESCRIPTION	VALUES		
<u>SWITCH</u>					
S101	1-572-595-11	SWITCH, TACTILE (REFLOW TYPE)			
S102	1-572-595-11	SWITCH, TACTILE (REFLOW TYPE)			
S103	1-572-595-11	SWITCH, TACTILE (REFLOW TYPE)			
S104	1-572-595-11	SWITCH, TACTILE (REFLOW TYPE)			
S105	1-572-595-11	SWITCH, TACTILE (REFLOW TYPE)			
S106	1-572-595-11	SWITCH, TACTILE (REFLOW TYPE)			
S107	1-572-595-11	SWITCH, TACTILE (REFLOW TYPE)			
H2U					
A-1152-234-F H2U MOUNT (ALL EXCEPT KDL-46S2010)					
<u>CAPACITOR</u>					
C201	1-162-923-11	CERAMIC CHIP	47pF	5%	50V
C202	1-162-923-11	CERAMIC CHIP	47pF	5%	50V
C203	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
C204	1-127-573-11	CERAMIC CHIP	1μF	10%	16V
C205	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
C206	1-125-889-91	CERAMIC CHIP	2.2μF	10%	10V
C207	1-125-889-91	CERAMIC CHIP	2.2μF	10%	10V
C208	1-125-889-91	CERAMIC CHIP	2.2μF	10%	10V
C209	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C210	1-164-227-11	CERAMIC CHIP	0.022μF	10%	25V
C211	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C212	1-164-227-11	CERAMIC CHIP	0.022μF	10%	25V
C215	1-115-416-11	CERAMIC CHIP	0.001μF	5%	25V
<u>CONNECTOR</u>					
CN201	1-820-192-11	HEADER ASSEMBLY (PRINT PWB)			15P
<u>DIODE</u>					
D201	8-719-423-03	DIODE	MA8100		
D202	8-719-423-03	DIODE	MA8100		
D203	8-719-423-03	DIODE	MA8100		
D204	8-719-423-03	DIODE	MA8100		
D205	8-719-423-03	DIODE	MA8100		
D206	8-719-423-03	DIODE	MA8100		
<u>JACK</u>					
J201	1-780-368-11	S TERMINAL BLOCK (RIGHT			
J202	1-815-325-11	JACK			

H2U H3U H46

REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES			
RESISTOR					IC							
R202	1-216-864-11	SHORT CHIP				IC301	6-600-502-01	HIC	GP1UE26RK0VF			
R205	1-216-821-11	METAL CHIP	1K	5%	1/10W	IC302	6-600-447-01	IC	TPS853(SONY)			
R206	1-216-821-11	METAL CHIP	1K	5%	1/10W	TRANSISTOR						
R207	1-218-831-11	METAL CHIP	220	0.50%	1/10W	Q301	8-729-028-96	TRANSISTOR	DTC114EUA-T106			
R208	1-218-831-11	METAL CHIP	220	0.50%	1/10W	Q302	8-729-028-96	TRANSISTOR	DTC114EUA-T106			
R209	1-218-285-11	METAL CHIP	75	5%	1/10W	Q303	8-729-028-96	TRANSISTOR	DTC114EUA-T106			
R210	1-218-831-11	METAL CHIP	220	0.50%	1/10W	Q304	8-729-028-96	TRANSISTOR	DTC114EUA-T106			
R211	1-218-831-11	METAL CHIP	220	0.50%	1/10W	Q305	8-729-028-96	TRANSISTOR	DTC114EUA-T106			
R212	1-216-797-11	METAL CHIP	10	5%	1/10W	Q306	8-729-602-36	TRANSISTOR	2SA1602-F			
R213	1-216-821-11	METAL CHIP	1K	5%	1/10W	RESISTOR						
R214	1-216-821-11	METAL CHIP	1K	5%	1/10W	R301	1-216-819-11	METAL CHIP	680	5%	1/10W	
R215	1-216-809-11	METAL CHIP	100	5%	1/10W	R302	1-216-815-11	METAL CHIP	330	5%	1/10W	
R216	1-216-809-11	METAL CHIP	100	5%	1/10W	R303	1-216-819-11	METAL CHIP	680	5%	1/10W	
R217	1-216-821-11	METAL CHIP	1K	5%	1/10W	R304	1-216-815-11	METAL CHIP	330	5%	1/10W	
R218	1-216-821-11	METAL CHIP	1K	5%	1/10W	R305	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	
R219	1-216-809-11	METAL CHIP	100	5%	1/10W	R306	1-216-817-11	METAL CHIP	470	5%	1/10W	
R220	1-216-797-11	METAL CHIP	10	5%	1/10W	R307	1-216-805-11	METAL CHIP	47	5%	1/10W	
R222	1-216-853-11	METAL CHIP	470K	5%	1/10W	R309	1-216-839-11	METAL CHIP	33K	5%	1/10W	
R223	1-216-853-11	METAL CHIP	470K	5%	1/10W	R310	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R224	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R311	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R225	1-218-831-11	METAL CHIP	220	0.50%	1/10W	R313	1-216-849-11	METAL CHIP	220K	5%	1/10W	
VARISTOR					R314	1-216-849-11	METAL CHIP	220K	5%	1/10W		
VD201	1-802-082-11	VARISTOR	(SMD)			R315	1-216-864-11	SHORT CHIP				
VD202	1-802-082-11	VARISTOR	(SMD)			R316	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
VD203	1-802-082-11	VARISTOR	(SMD)			H46						
H3U					H46							
* A-1172-591-D H3U BOARD, MOUNTED					* A-1194-048-B H46 BOARD, MOUNTED (KDL-46S2010 ONLY)							
CAPACITOR					WIRE PIN							
C302	1-162-960-11	CERAMIC CHIP	220pF	10%	50V	* A201	4-042-408-02	PIN(45), WIRE				
C303	1-119-667-11	CERAMIC CHIP	22µF		10V	CAPACITOR						
C305	1-165-908-11	CERAMIC CHIP	1µF	10%	10V	C203	1-127-573-11	CERAMIC CHIP	1µF	10%	16V	
C307	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C204	1-127-573-11	CERAMIC CHIP	1µF	10%	16V	
C308	1-126-205-11	ELECT CHIP	47µF	20%	6.3V	C205	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V	
CONNECTOR					C206	1-125-889-91	CERAMIC CHIP	2.2µF	10%	10V		
CN301	1-820-187-11	HEADER ASSEMBLY (PRINT PWB)			10P	C207	1-125-889-91	CERAMIC CHIP	2.2µF	10%	10V	
DIODE					C208	1-125-889-91	CERAMIC CHIP	2.2µF	10%	10V		
D302	8-719-085-26	DIODE	CL-165HR/SYG-D-T			C215	1-115-416-11	CERAMIC CHIP	0.001µF	5%	25V	
D305	8-719-085-26	DIODE	CL-165HR/SYG-D-T									
D308	6-500-817-01	DIODE (LED)	SML-512UWT86									

NOTE: The components identified by shading and  mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifiés par un trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

H46 **QS** **QT**

REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES
CONNECTOR						QS A-1153-812-B QS BOARD, COMPLETE Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method. Data is provided for reference only. QT A-1164-341-B QT BOARD, COMPLETE Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method. Data is provided for reference only. (If the tuner needs to be replaced, the complete QT Board must be ordered. It cannot be ordered seperately.) ACCESSORIES AND PACKING			
CN201	1-820-192-11	HEADER ASSEMBLY (PRINT PWB)	15P				1-831-499-21	POWER-SUPPLY CORD SET (KDL-23S2010/26S2010/32S2010 ONLY)	
DIODE							1-832-937-11	AC POWER-SUPPLY CORD (KDL-40S2010/46S2010 ONLY)	
D201	8-719-423-03	DIODE	MA8100				X-2102-511-2	BAG ASSY, RUDDER LOCK (Contains the 3 items below)	
D202	8-719-423-03	DIODE	MA8100				X-2055-089-2	LOCK ASSY, RUDDER (Support Belt)	
D203	8-719-423-03	DIODE	MA8100				2-593-320-02	SCREW, CION (M6X18)	
D204	8-719-423-03	DIODE	MA8100				2-580-663-01	SCREW, WOOD 3.8X20	
D205	8-719-423-03	DIODE	MA8100						
D206	8-719-423-03	DIODE	MA8100						
JACK									
J201	1-780-368-11	S TERMINAL BLOCK (RIGHT							
J202	1-815-325-11	JACK							
RESISTOR									
R202	1-216-864-11	SHORT CHIP							
R203	1-216-853-11	METAL CHIP	470K	5%	1/10W				
R204	1-216-853-11	METAL CHIP	470K	5%	1/10W				
R205	1-216-864-11	SHORT CHIP							
R206	1-216-864-11	SHORT CHIP							
R207	1-218-831-11	METAL CHIP	220	0.50%	1/10W				
R208	1-218-831-11	METAL CHIP	220	0.50%	1/10W				
R209	1-218-285-11	METAL CHIP	75	5%	1/10W				
R210	1-218-831-11	METAL CHIP	220	0.50%	1/10W				
R211	1-218-831-11	METAL CHIP	220	0.50%	1/10W				
R212	1-216-864-11	SHORT CHIP							
R213	1-216-821-11	METAL CHIP	1K	5%	1/10W				
R214	1-216-821-11	METAL CHIP	1K	5%	1/10W				
R215	1-216-809-11	METAL CHIP	100	5%	1/10W				
R216	1-216-809-11	METAL CHIP	100	5%	1/10W				
R217	1-216-821-11	METAL CHIP	1K	5%	1/10W				
R218	1-216-821-11	METAL CHIP	1K	5%	1/10W				
R219	1-216-809-11	METAL CHIP	100	5%	1/10W				
R220	1-216-864-11	SHORT CHIP							
R224	1-218-831-11	METAL CHIP	220	0.50%	1/10W				
R225	1-218-831-11	METAL CHIP	220	0.50%	1/10W				
VARISTOR									
VD201	1-802-082-11	VARISTOR	(SMD)						
VD202	1-802-082-11	VARISTOR	(SMD)						
VD203	1-802-082-11	VARISTOR	(SMD)						

REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
*	2-673-877-01	CUSHION, UPPER	(KDL-23S2010 ONLY)	<u>MISCELLANEOUS</u>			
*	2-673-892-01	CUSHION, UPPER	(KDL-26S2010 ONLY)	X-2109-045-2	BRACKET, (A,TU) (A) ASSY		
*	2-673-886-01	CUSHION, UPPER	(KDL-32S2010 ONLY)	2-674-965-11	SCREW, +PSW 3SG		
*	2-673-882-01	CUSHION, UPPER	(KDL-40S2010 ONLY)		(ALL EXCEPT KDL-23S2010)		
*	2-673-888-01	CUSHION, UPPER	(KDL-46S2010 ONLY)	2-660-802-01	COVER, UNDER (M)		
*	2-674-396-01	CUSHION, UPPER (CENTER)	(KDL-40S2010 ONLY)		(KDL-26S2010/32S2010 ONLY)		
	2-889-165-11	GUIDE, QUICK SETUP	(ENGLISH VERSION)	2-660-751-03	COVER, UNDER (S)		
	2-889-165-21	GUIDE, QUICK SETUP	(FRENCH VERSION)		(KDL-23S2010 ONLY)		
	2-889-165-31	GUIDE, QUICK SETUP	(SPANISH VERSION)	X-2109-168-4	FRAME, BOTTOM (L) ASSY		
					(KDL-40S2010/46S2010 ONLY)		
*	2-683-745-01	HOLDER		X-2109-261-1	FRAME, TOP (26) ASSY		
*	2-676-913-01	HOLDER (B)			(KDL-26S2010 ONLY)		
	2-889-166-11	MANUAL, INSTRUCTION	(ENGLISH VERSION)	2-650-770-21	SLIDE, CLAMP		
	2-889-166-21	MANUAL, INSTRUCTION	(FRENCH VERSION)		(KDL-40S2010/46S2010 ONLY)		
	2-889-166-31	MANUAL, INSTRUCTION	(SPANISH VERSION)	<u>REMOTE COMMANDER</u>			
	2-676-911-01	SHEET, C.F.B (B)		1-479-686-21	REMOTE COMMANDER (RM-YD005)		
*	2-649-072-01	SHEET, PROTECTION	(KDL-26S2010 ONLY)				
*	2-649-073-01	SHEET, PROTECTION	(KDL-32S2010 ONLY)				
*	X-2055-089-2	(Support Belt) LOCK ASSY, RUDDER					
*	2-673-881-01	TRAY	(KDL-40S2010 ONLY)				
*	2-673-896-01	TRAY	(KDL-46S2010 ONLY)				
*	2-674-395-01	TRAY, TOP	(KDL-40S2010 ONLY)				
*	2-673-897-01	TRAY, TOP	(KDL-46S2010 ONLY)				

APPENDIX A: ENCRYPTION KEY COMPONENTS

Encryption key components developed by Sony Corporation contain confidential information, and shall be handled under the non-disclosure obligations provided in the applicable agreement with Sony Corporation (and/or its subsidiary).

As part of this agreement specific instructions must be adhered to whenever a Circuit Board containing encryption key components is repaired and/or replaced pursuant to the following:

- 1) In the service manual the Circuit Board(s) containing encryption key components shall be identified with a **red outline and a **.
- 2) Only repair boards or components listed in the service manual shall be utilized for replacement and/or repair.
- 3) Disassembly, decryption, or reverse-engineering component(s) is strictly prohibited.
- 4) Any board in which the Servicer replaces an encryption key component must be placed back into the set it originally came from and the replaced defective component **MUST BE DESTROYED**. Boards cannot be swapped.
- 5) If a Circuit Board identified with a **red outline and a ** in the service manual is deemed to be defective:
 - a) and if a core charge is imposed and is covered under the product warranty, the defective un-repaired or modified board **MUST BE RETURNED** to Sony.
 - b) and if the core charge is **NOT** covered under the product warranty, the defective un-repaired or modified board **MUST BE DESTROYED**.
- 5) If a unit is destroyed (such as field scrap), the Circuit Board identified with a **red outline and a ** in the service manual **MUST BE DESTROYED**.